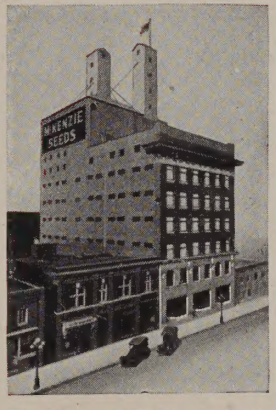
63.01
CANADA
1921

McKENZIE SEEDS



The Home of McKenzie Seeds

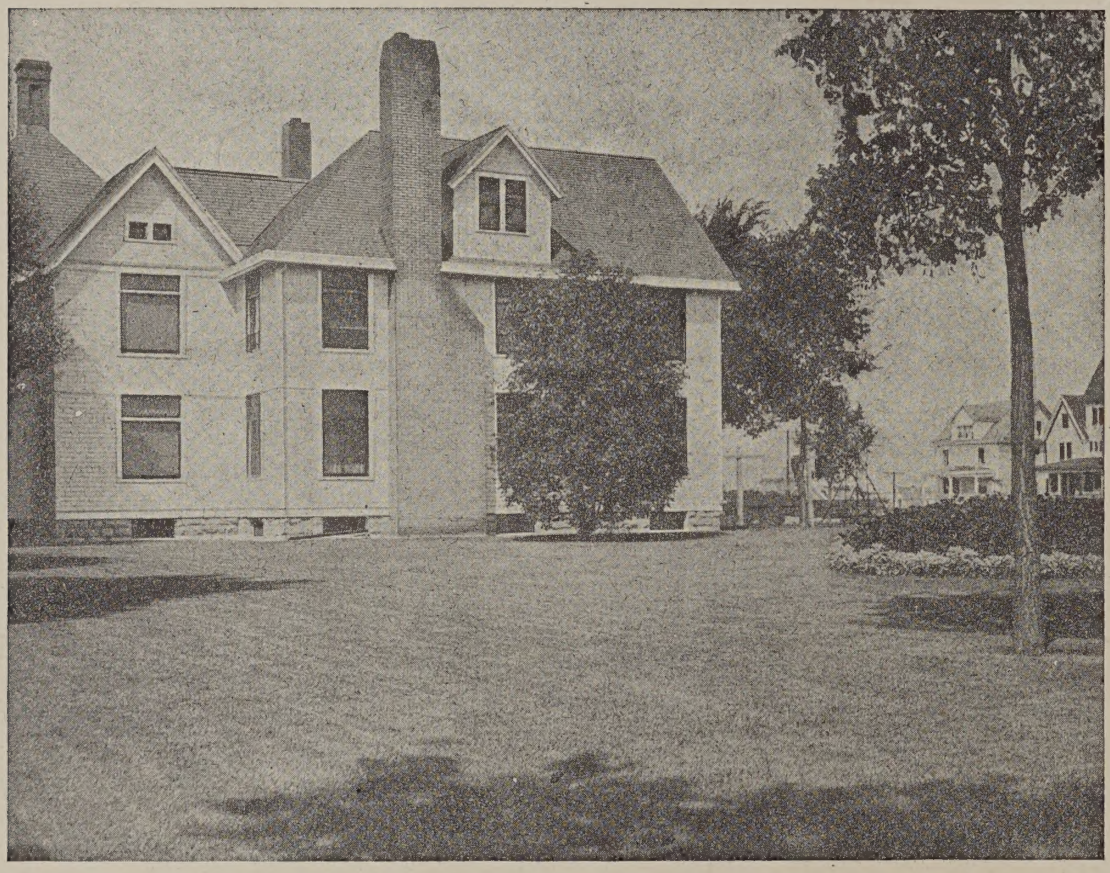
1921

25th ANNUAL

BRANDON MAN.

LAWNS

NO matter how nice a home is inside, no matter how well furnished, if the immediate surroundings are untidy or neglected, then the home is to say the least incomplete. This of course is most noticeable in the Summer and Fall months, when the appeal of the "out-of-doors" reaches every one. How restful it is, after a hard day's work, whether it be in the field or in the office, to be able to enjoy the somnific influence of a scene such as is depicted in the illustration below. To accomplish this purpose does not entail any great expenditure either in money or time, and will pay handsome profits which will remain unaffected by fluctuating market conditions. Our booklet on lawns, which is supplied free on request with orders for Lawn Seed, will help you to success, and if you desire further information our services are cheerfully at your disposal.



PLANNING THE LAWN

It pays to consider well, at the start, just how much you will lay down in grass, where the flower beds and walks are required, and what levels are desired, as it is always unsatisfactory to make alterations after the lawn has been seeded.

PREPARING THE GROUND

Too much attention cannot be given to this—in fact the permanent success, or otherwise, largely depends upon this. If not well drained naturally, then a few drains to carry away surplus moisture should be laid down. It will be a decided advantage, as a rule, to dig deeply and apply a coating of well-rotted manure, and, for the first year, plant potatoes or other crop which requires hoeing. This will wonderfully improve the physical condition of the soil and enable a good seed bed to be prepared for the reception of the lawn seed.

For nearly a quarter of a century McKenzie's specially prepared mixtures of Grass Seeds for Lawns have given unbounded satisfaction. They are the result of practical experience under varying conditions in many locations throughout the West. SURE TO GROW.

1530–McKenzie's Emerald Green Lawn Seed

A SCIENTIFIC COMBINATION
LUXURIANT GROWTH. RICH GREEN COLOR.
ENDURING GRASSES

Produces an Even Turf. A Perfect Growth from Early Spring until Late Fall

We have in **McKenzie's Emerald Green Lawn Seed** the highest type grown. This mixture, the result of many years' careful tests and repeated trials, is absolutely the best that experience can achieve or money can buy, and we offer it with the fullest confidence that it is unsurpassed by any other mixture.

1 lb. 65c, postpaid: 5 lb. or more 53c, 10 lb. or more 50c, by express at purchaser's expense

1535—McKenzie's Western Parks Lawn Seed

A most reliable mixture of fine growing grasses. Where economy in price is a consideration, we strongly recommend **"Western Parks"** —it will produce a very satisfactory green lawn and is the best mixture ever offered at the price.

1 lb. 60c, postpaid: 5 lb. 48c, 10 lb. 45c, by express at purchaser's expense

1540--Sporting Ground Mixture

For School Grounds, Large Farm Yards, Tennis Grounds, Football Grounds, Race Tracks, etc.

McKenzie's Sporting Ground Mixture is a carefully selected and prepared mixture for tennis grounds, football grounds, race tracks, school grounds, cemeteries, etc., where the area seeded is intended to encounter hardship. A mixture that will grow quickly and possesses qualities of endurance is what is requisite. It will not make as fine and beautiful turf as McKenzie's Emerald Green, as this special high grade mixture is intended exclusively to produce the most handsome lawns in Canada.

25 lbs. or more.....**45c** per lb.
50 lbs. or more.....**44c** per lb.

If ordered sent by mail, add 10c per pound to cover postage, otherwise it will be forwarded by express or freight at purchaser's expense. Orders for 10 lbs. or more, add 60c for cotton bag.

QUANTITY OF SEED REQUIRED FOR NEW LAWNS

1 lb. will sow.....300 square feet
125 to 140 lbs. per acre.

To obtain best results a liberal seeding is recommended.

ORDER FORM

A. E. McKenzie Co. Ltd

BRANDON, MAN.
CALGARY, ALTA.

Be Sure to Give Name and Address

WE DO NOT SHIP C.O.D.

For office use only

Postage

Bill of Lading No.

NAME _____
Mr. Mrs. or Miss

P.O. _____ PROV. _____

Railway Station _____ Is there a Railway Agent here? _____ Yes or No.
If no Agent include prepay charges

Forwarded by { State here whether wanted by **Mail, Express** or **Freight.** otherwise we use our discretion, } _____

While we (A. E. McKenzie Co., Ltd.) exercise care to have all seeds pure and true to name, we do not give, our Employees and Agents are forbidden to give, any warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, we are to be at once advised and money paid for same, including freight, will be promptly refunded.

RESERVED SPACE
PLEASE DO NOT WRITE HERE

Date Received _____

Amount Received _____

MAIL	FREIGHT	EXPRESS
No of Packets		
No of Packages		
Date Sent		
Put up by		
Checked by		

Leave Blank Stock	Leave Blank Section	Quantity		Packets	Number in Catalog	NAMES OF SEEDS, ETC. WANTED	Price Rate	Extension $	Extension of Cost c.
						COST OF BAGS AS PER CATALOG			
						Order continued on back of this sheet Amount Carried Forward			

Every order for SEED GRAIN, CLOVERS, GRASSES, 10 lbs. or more No. _____
VEGETABLE SEEDS, requires Bags, and the price, must be included.

A. E. McKENZIE CO., LTD.

BRANDON, MAN. *SEEDSMEN* CALGARY, ALTA.

Leave Blank Stock Ref. Check	Bushels	Pounds	Ounces	Packets	Number in Catalog	NAMES OF SEEDS, ETC. WANTED	Price Rate	Extension $	of Cost c.
						COST OF BAGS AS PER CATALOG			
						TOTAL			

Do not overlook including Bags where needed.
Be sure to give your Name and Address, and keep a copy of your order as sent to us.
Extra order forms mailed upon request.

SPECIAL PRICES

Corn • Wheat • Oats
Sweet Clover

Prices quoted in this Catalog are subject to change without notice

OATS—Add for each 3 bushels **25c** for jute sack
CORN—Add for each 2½ bushels **25c** for jute sack
CLOVER—Add for each 140 lbs **50c** for cotton bag
WHEAT—Add for each 2 bushels **25c** for jute sack
When ordering use order sheet and indicate stock by number

Prices f.o.b. Brandon, Manitoba

Write for Prices on Car Lots

The varieties submitted on this page represent stocks which we have engaged at specially favorable prices, consequently we are giving our customers the benefit.

Oats American Banner

STOCK No. K 32 Price per bushel **84c**

This is an excellent stock of Specially Selected American Banner Oats. The quality will undoubtedly suit the requirements of the buyer who wants "A No. 1" quality, but who does not want pedigreed stock. This stock is uniform as to color, size, high germination, and weighs 38 to 40 pounds per measured bushel.

Oats Victory

STOCK No. K 42 Price per bushel **83c**

Victory Variety is a shade plumper than American Banner, and in all other respects possesses the essential qualities of high grade variety, and specially adapted to the soil and climatic conditions of Western Canada. This stock K 42 is an excellent purchase; like all the stocks offered on this page under "special offer" it is a rare bargain in seed oats.

Oats Abundance

STOCK No. K 52 Price per bushel **82c**

Of the three varieties of Oats under special offer on this page, Abundance is the plumpest and possibly the heaviest, but it possesses a little heavier hull than either Banner or Victory. This special offer Stock is a beautiful sample and will suit the most critical buyer who prefers a plump prize winning oat.

Corn Minnesota 13

STOCK No. K 62 Price per bushel **3.35**

Owing to the high value of corn for feed and in order to encourage the farmers of this country to plant more corn we have selected a specially fine stock of Minnesota 13 which is a dent variety and as a variety has proven itself to be splendidly adapted to this County. It is a very close competitor of Northwestern Dent. This stock is excellent quality, and government germination high.

Clover Sweet

STOCK No. K 72 Price per 100 lbs. **17.50**

In the spring of 1920 there was a very large demand for Sweet Clover (melilotus Alba) (White Blossom). The spring of 1921 will see a still larger demand. Last year the price of good seed was $40.00 to $45.00 per 100 lbs. This year the price is remarkably cheap, especially when you consider our special offer of government tested No. 1 grade and germinating high. Sow white blossom sweet clover this spring—you will make no mistake. It is a wonderful fodder plant and destined to fill a larger place in Western Agriculture.

Wheat Marquis

STOCK No. K 82 Price per bushel **2.60**

This stock of Marquis K 72 is produced from Registered Seed.
The stock has real merit and will suit the great majority of buyers. We make this special offer of Marquis Stock to meet the demand that large buyers in past seasons have urged upon us. The sample is plump, kernels are uniform in color and size and is of high germination.

Cash Deposit—See page 41 for particulars

NON-WARRANTY

While we (A. E. McKenzie Co., Ltd.) exercise care to have all seeds pure and true to name, we do not give, and our Employees and Agents are forbidden to give, any warranty, expressed or implied, as to purity, description, quality, productiveness, or any other matter of any seeds we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, we are to be at once advised, and money paid for same, including freight, will be promptly refunded.

McKENZIE'S BIG VALUE COLLECTIONS

Quality High

Provide a Year Round Supply

Price Low

A

½ lb. BEANS
1 oz. BEET
1 pkt. CABBAGE, Early
1 oz. CARROT
1 pkt. CAULIFLOWER
1 pkt. CITRON
½ lb. CORN
1 pkt. CORN
1 pkt. CUCUMBER
1 pkt. CUCUMBER, Pickling
1 pkt. LETTUCE, Head
1 pkt. LETTUCE, Leaf
1 oz. ONIONS
1 pkt. ONIONS
1 pkt. ONIONS, Pickling
½ lb. PEAS
1 pkt. PARSLEY
1 pkt. PARSNIP
1 oz. RADISH, Turnip Shaped
1 pkt. RADISH, Long
1 oz. TURNIP, Garden
1 pkt. VEGETABLE MARROW
1 pkt. SAGE
1 pkt. MANGEL
1 pkt. TURNIP, Field
1 oz. SWEET PEAS

$3.70

(Cost if items ordered separately $4.35)

All Postpaid

B

½ lb. BEANS
1 oz. BEET
1 oz. CARROT
½ lb. CORN
1 pkt. CORN
1 pkt. CUCUMBER, Pickling
1 pkt. CUCUMBER
1 pkt. LETTUCE, Head
1 pkt. LETTUCE, Leaf
1 oz. ONION, Yellow
1 pkt. ONION, Red
1 pkt. ONION, Pickling
½ lb. PEAS, Early
1 pkt. PEAS, Main Crop
1 pkt. PARSNIP
1 oz. RADISH, Turnip Shaped
1 pkt. RADISH, Long
1 oz. TURNIP, Field
1 pkt. TURNIP, Garden
1 pkt. VEGETABLE MARROW
1 pkt. SWEET PEAS, Spencer
1 pkt. NASTURTIUM
1 pkt. STOCKS
1 pkt. MIGNONETTE
1 pkt. SWEET ALYSSUM
1 pkt. PANSY

$3.45

(Cost if items ordered separately $4.05)

C

Field Root Seeds

½ lb. SUGAR BEET
½ lb. MANGEL
¼ lb. CARROT
½ lb. TURNIP
1 lb RAPE

$1.75

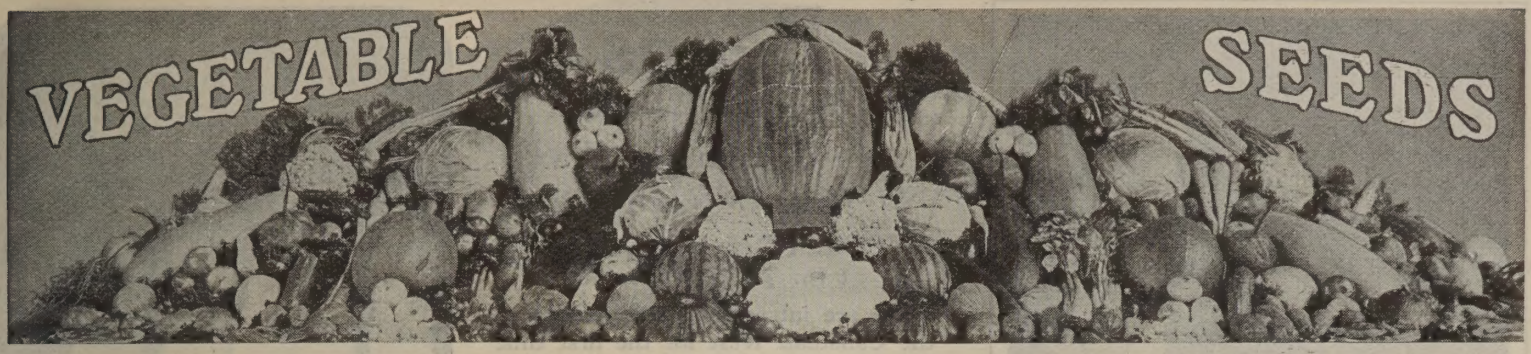
(Cost if items ordered separately $1.95)

A Word About these Collections

These ready made assortments are a decided convenience to some of our customers, who are unfamiliar with the best varieties and the proportionate quantities required. These collections are made up of seeds of the same high quality that have made "McKENZIE SEEDS" a household word throughout the West The lower price is made possible by the saving of labor effected in making up a large quantity at one time as compared with making up individual orders At these low prices all collections must be ordered just as they are, no alterations can be made

Local Merchants Sell McKenzie Seeds

We aim to co-operate with general merchants and make it easy for the seed-buying public to purchase McKenzie's tested seeds. To accomplish this, McKenzie's Packet Seeds are on sale in practically every general store in Western Canada. If your local merchant does not handle McKenzie's Seeds please write us direct to Head Office, Brandon, Man Most merchants stock McKenzie s Bulk Seeds, or will take orders for Bulk as well as for the above Collections.



Artichoke

The name Artichoke, in the minds of many has become so inseparably connected with the Jerusalem Artichoke, which is really a tuberous rooted Sunflower, that we deem it desirable to emphasize the fact that we are offering the true Artichoke.

The edible portion of the true Artichoke is the thickened scale at the base of the flower heads.

The plant grows between 3 and 4 feet high, the leaves are a greenish white color, covered underneath with a cottony down, pinnatifid. The plant presents quite a striking and ornamental appearance in the garden.

1—Large Green Globe

The Best Variety for General Use

Pkt. 10c, oz. $1.20. Postpaid

The buds or flower heads are more long than round with long spiny scales.

Asparagus

One of the earliest and most delicious vegetables. We cannot understand why it is not found growing in every garden unless a wrong impression exists in regard to its cultivation. Asparagus is not difficult to grow. Attention to a few minor details will ensure success.

That it is appreciated as a vegetable is evident from the large quantities annually imported.

13—Early Giant Argenteuil

The Famous Parisian Variety

Pkt. 10c, oz. 20c, ¼ lb. 50c. Postpaid

This is the variety almost universally grown by the market growers around Paris, and the fine bundles so much admired in the Paris markets are mostly composed of this variety. It is early, grows large, and produces thick light colored shoots.

11—Conover's Colossal

Cooks Splendidly, Delicious and Tender

Pkt. 10c, oz. 20c, ¼ lb. 50c. Postpaid

The young shoots are a bright green, slightly tinged with purple at the top. Of upright rather than spreading habit. Very tender.

ASPARAGUS

Beans

The soil and climatic conditions of Western Canada are admirably adapted to the growing of Beans.

Dwarf Wax and Green Podded, Broad, Scarlet Runner and Shell Beans can all be grown successfully and profitably.

Our short seasons demand specially selected varieties. During the past 25 years we have tried out numerous varieties, but have retained only those best suited to Western needs. The selections we now offer represent what we believe to be the best for the West. The strains of the different varieties offered, being specially grown, have been selected with a view to improving those features which are necessary for Western conditions.

Dwarf Butter or Wax Podded Varieties

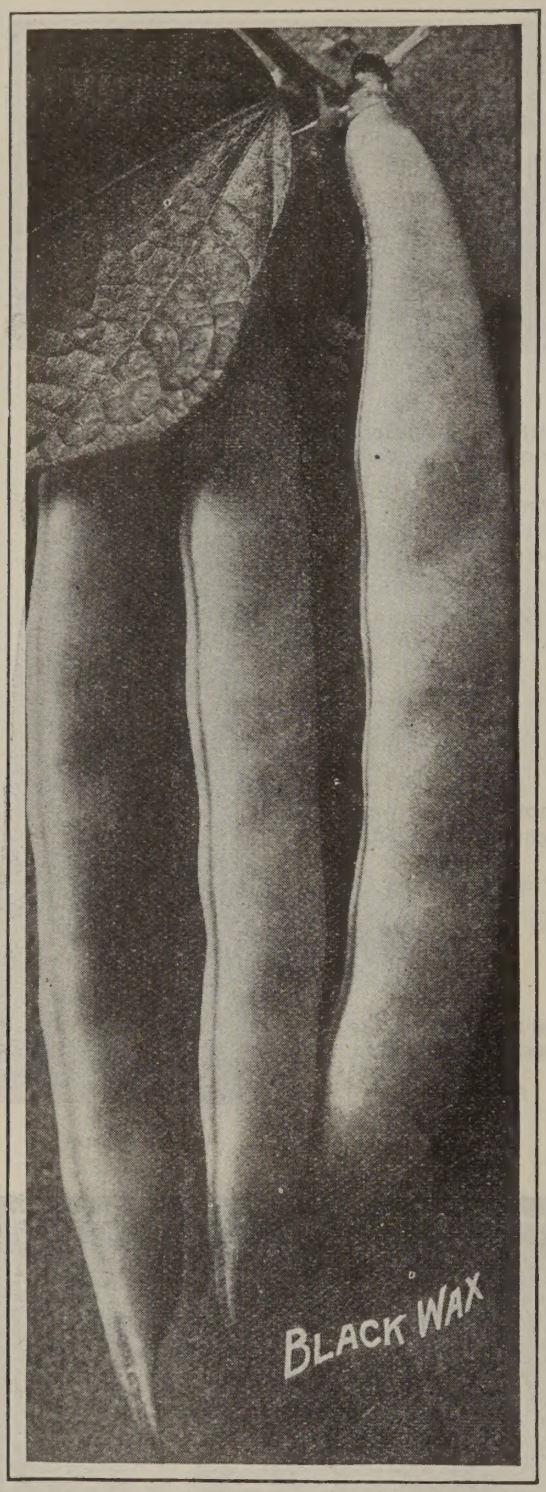
25—Improved Golden Wax

The Most Popular Variety for the West

Pkt. 10c, ½ lb. 35c, 1 lb. 65c. Postpaid

One of the earliest and best Dwarf Wax Podded varieties in cultivation. Of erect and compact growing habit, it can be planted closer, and is more easily cultivated than varieties that are of a more straggly habit.

The pods, which grow nearly straight, are broad, flat, pale yellow in color, very brittle, stringless and fleshy. The average length of pod is 5 to 6 inches, but under favorable conditions they will form pods as long as 8 inches. The cooking qualities are the finest, and it is also an excellent canning variety.



Beans

Dwarf Wax—*Continued*

29—Golden Eye Wax

Very Hardy. Almost Rust Proof

Pkt. 10c, ½ lb. 40c, 1 lb. 70c. Postpaid

We are introducing this variety to the Canadian West for the first time this season, and believe it will be a very popular variety before very long.

It is very early and prolific and is much appreciated in the Northern States. The pods are large, of a beautiful yellow color, flat shaped, and very straight in appearance. The dried beans are white with a yellow eye. We heartily recommend this variety.

26—Black Wax Pencil Pod

Very Hardy. Succeeds Where Others Have Failed

Pkt. 10c, ½ lb. 35c, 1 lb. 65c. Postpaid

We believe this to be the very finest of the black seeded Dwarf Wax varieties. The plants are strong growing, and should be given rather more space than the Golden Wax. Matures a few days later than the Golden Wax, but a slightly heavier cropper. Should be sown at the same time for succession.

One of the best varieties for market gardeners. The pods are long, averaging 6 inches, straight, round and fleshy; color, bright golden (it is only the seed that is of dark color); perfectly stringless.

The constitution of the plant is unusually hardy and it will generally succeed where other varieties have proved disappointing.

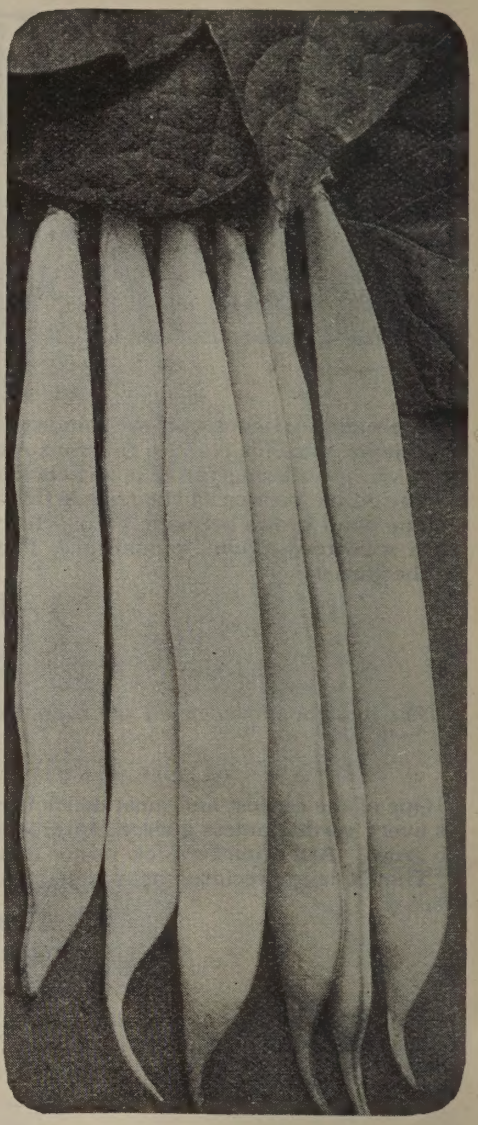
28—Wardwell's Kidney Wax

Gaining in Popularity as it Becomes Better Known

Pkt. 10c, ½ lb. 40c, 1 lb. 70c. Postpaid

Of strong growing habit, should be planted half as wide again in the drills as Golden Wax.

Later than Golden Wax, but a heavier cropper. The pods, which average 6 to 7 inches long, are straight, broad, and of a creamy white color. They form a very handsome pod, which travels well. In fact, it is one of the best shipping varieties, and, consequently, is very popular with market growers. The quality leaves nothing to be desired.

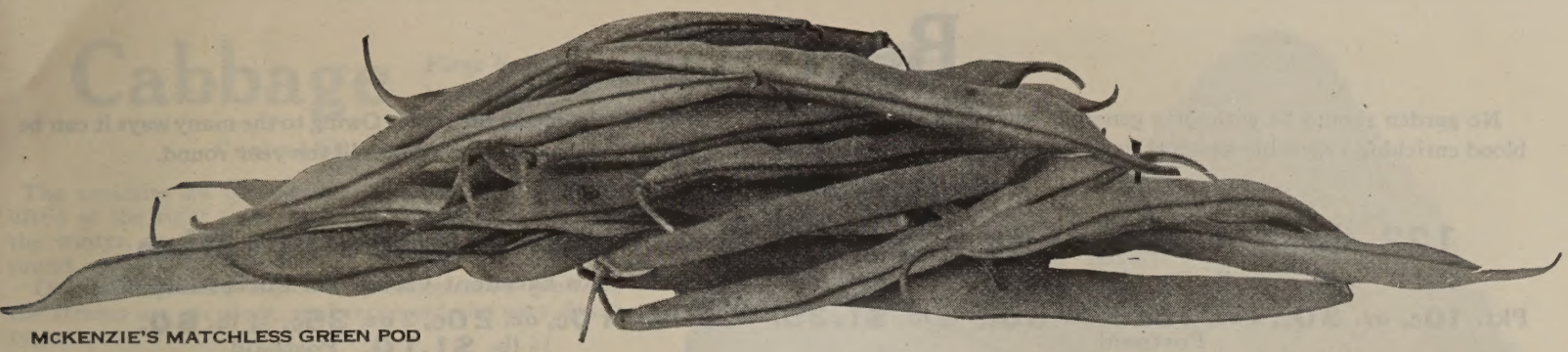


GOLDEN EYE WAX

WARDWELL'S KIDNEY WAX

Selection

You will be making no mistake in sowing any of the above varieties, they each possess distinctive features, but are all suited to Western conditions. A good plan is to try a sowing of each—then you can decide which suits you best.



MCKENZIE'S MATCHLESS GREEN POD

Beans

Dwarf or Snap Green Podded Varieties

48—McKenzie's Matchless Green Pod

Planted at Intervals, Will Last Throughout the Whole Season

Pkt. 10c, ½ lb. 40c, 1 lb. 70c. Postpaid

This old well known variety still retains pride of place, as the finest dwarf green pod variety in cultivation.

The plant is unusually hardy, extremely early, and wonderfully productive. Adapts itself to both early and late sowing; successional sowings at intervals of from 7 to 10 days, will ensure a supply of prime quality pods, from early Summer till Fall.

The bushes are densely packed, with clusters of green pods, well rounded, saddle-backed, very meaty, tender and brittle, with a notable absence of stringiness even when the pods are fully developed.

49—Earliest Red Valentine

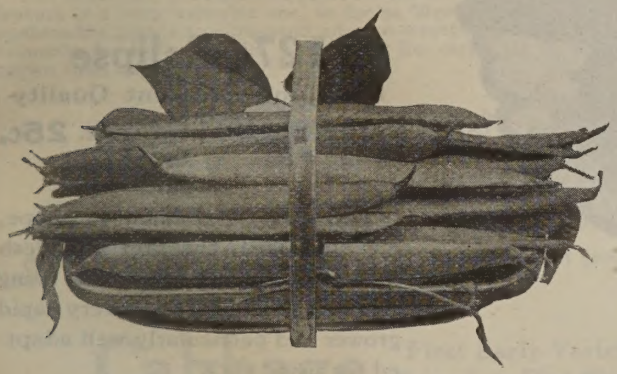
Hardy, Early and Productive

Pkt. 10c, ½ lb. 35c, 1 lb. 55c. Postpaid

The plant grows about 15 to 18 inches high, of compact habit, can be sown rather closer in the rows than other varieties.

Pods usually 4 inches long, curved, cylindrical, with crease in back, very fleshy, crisp and tender.

Very early, pods are usually ready to pick 45 days after germinating, exceptionally hardy, and well adapted to Western conditions.



CHAMPION SCARLET RUNNER

Scarlet Runner Climbing or Pole Bean

94—Champion Scarlet Runner

Useful for Both Ornamental and Culinary Purposes

Pkt. 10c, ½ lb. 45c, 1 lb. 75c. Postpaid

Splendid for covering trellis work, shading verandahs or a screen for obscuring any thing unsightly in the garden. The bright scarlet, butterfly like flowers give a charming effect, and combined with the heart-shaped deep green leaves, make this a very desirable ornamental climber. It is valuable also from a culinary standpoint, producing fine broad flat deep green pods, averaging 7 and 8 inches long of excellent cooking quality.

Broad Beans

Broad Beans, are rapidly coming into more popular favor in Western Canada. They are an excellent vegetable. By sowing both the long pod and Windsor varieties, they can be had in good condition from early Summer till late Fall. Produce very large pods.

96—Seville Long Pod

Pkt. 10c, ½ lb. 40c, 1 lb. 65c. Postpaid

A week earlier than the Windsor varieties, bears fine long pods of excellent quality.

95—Taylor's Broad Windsor

Pkt. 10c, ½ lb. 40c, 1 lb. 65c. Postpaid

The heaviest cropping English broad bean in cultivation, bears immense long well filled pods of excellent cooking quality.

SEVILLE LONG POD

Shell Beans for Winter Use

The varieties we offer are early maturing and can usually be relied upon to ripen before frost. At present high prices, it certainly pays to grow beans for Winter use.

72—McKenzie's Famous Marrowfat

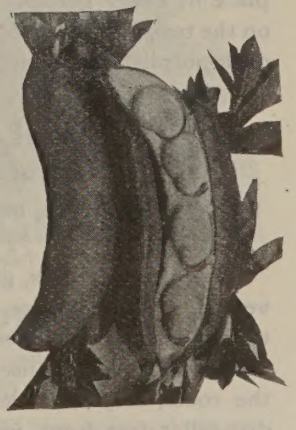
Pkt. 10c, ½ lb. 25c, 1 lb. 40c. Postpaid

Produces large oval shaped white beans, unsurpassed for cooking qualities.

73—Boston Early Navy

Pkt. 10c, ½ lb. 25c, 1 lb. 35c. Postpaid

The well known small pea variety, an excellent field variety, splendid for baking.



BROAD WINDSOR

Beet Table Varieties

No garden should be without a generous sowing of this excellent blood enriching vegetable which thrives so well in the west.

Always welcome on the table. Owing to the many ways it can be cooked or pickled, it is available all the year round.

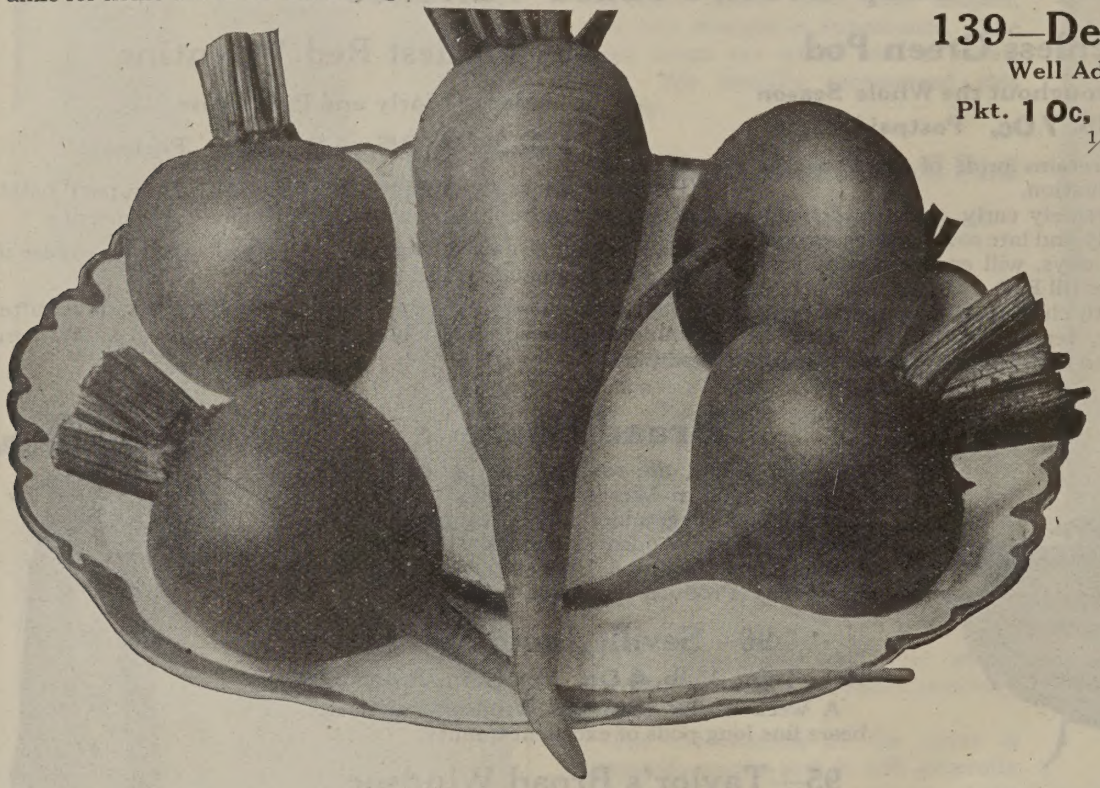
Round or Turnip Shaped Varieties

122—McKenzie's Extra Early

A Deservedly Popular Variety

Pkt. 10c, oz. 30c, 2 oz. 45c, ¼ lb. 80c, ½ lb. $1.35. Postpaid

We believe this to be one of the very best globe shaped Beets in cultivation. Its distinguishing feature is its exceptional earliness. The tops are very small, enabling it to be grown more closely than most other varieties. The roots are a flattened globe shape, skin beautiful dark red, flesh a trifle lighter and lightly zoned. Useful alike for home use or for marketing.



126—Crosby's Egyptian

An Excellent Variety for Succession

Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60, ½ lb. $1.10. Postpaid

In shape this variety comes midway between Extra Early Flat Egyptian and Eclipse, being more globe shaped than the former, but not so globular as the latter. The tops are small, skin dark red. May be sown late and will develop very quickly. Useful for succession.

139—Detroit Dark Red

Well Adapted for Canning

Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, ½ lb. $1.10. Postpaid

This is a very useful and distinct variety. The tops are small and the leaves dark green, shaded red. The habit is upright, making close planting possible. Roots are medium sized of beautiful globe shape; the skin and flesh are dark red; the quality is excellent.

127—Eclipse

Early and Excellent Quality

Pkt. 10c, oz. 15c, 2 oz. 25c, ¼ lb. 45c, ½ lb. 80c. Postpaid

This Beet is globular in shape, medium sized, the skin and flesh a deep bright red; the flesh being zoned pinkish white. A very rapid grower and particularly well adapted for using early.

128—Extra Early Flat Egyptian

The Earliest Beet in Cultivation

Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, ½ lb. $1.10. Postpaid

The roots are small, but its exceptional earliness entitle it to a place in every garden. The tops are small; the roots are rounded on the top, but flat underneath; dark red in color, the flesh being a dark purplish red, zoned a lighter shade. Excellent table quality.

123—Early Blood Turnip

A Dependable Cropper

Pkt. 10c, oz. 15c, 2 oz. 25c, ¼ lb. 45c, ½ lb. 80c. Postpaid

A fine strain of excellent flavor and tissue. Average 3 to 3½ inches in diameter of remarkably smooth surface. It has a very small tap root and flesh is ringed with dark crimson entirely free of any stringy or woody character. Round beets are of the greatest value on account of earliness and have superseded the old fashioned flat types to a considerable extent. McKenzie's strain of this popular variety is in great demand.

129—Long Smooth Blood

One of the Best for Winter Use

Pkt. 10c, oz. 15c, 2 oz. 25c, ¼ lb. 45c, ½ lb. 80c. Postpaid

Long shaped roots, growing well out of the ground, easily harvested. Will produce a much heavier crop per acre than the turnip shaped varieties; does not mature so early and is better adapted for Winter use. If lifted carefully so as not to bruise the roots, they will keep in perfect condition if stored in a cool dry cellar free from frost. The flesh is of a deep purplish red of excellent quality.

140—Swiss Chard

Pkt. 10c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, ½ lb. $1.25. Postpaid

Unlike other varieties this is grown for the leaves rather than the roots. The leaves make excellent greens and are one of the best substitutes for Spinach, while the succulent midrib cooks like Sea Kale or Asparagus. Several cuttings can be produced from the same plant, the same season. Grows about 2 feet high, and is very easily grown.

Cabbage

First Early Varieties

Conical Shaped

The varieties we offer will, if wisely selected, sown, lifted at the right time, and stored properly through the winter, provide a continuous supply all the year round.

Our cabbage seed is grown by experienced growers; the strains are excellent, and represent the very finest types.

175—McKenzie's Northern Favorite

The Standard Early Cabbage

Pkt. 10c, oz. 80c, ¼ lb. $2.25. Postpaid

This well known Cabbage, which has been on the market now for several years, still retains its popularity. For a pointed early variety, it grows an exceptionally hard head which keeps well, rendering it equally useful either for Summer or Winter use. It forms a very hard head, remarkably early while at the same time, seldom showing any tendency to burst. The appearance is attractive, delicious flavor, useful alike either for home or market use.

NORTHERN FAVORITE

177—Early Jersey Wakefield

One of the Most Popular Varieties

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

This variety should be planted to provide a succession after Express. Fit for use a few days later, but is a much heavier cropper, and as it forms hard solid heads, it keeps well and is also a good shipper.

The heads are pointed, the outer leaves are thick and heavy. This latter feature is a very valuable one, so far as Western Canada is concerned, as it enables the plants to withstand adverse weather conditions. This doubtless accounts for its wonderful popularity; for early use it is more extensively grown than any other.

178—Charleston Wakefield

Splendid for General Crop

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

About ten days later than Early Jersey Wakefield, but grows half as large again, well adapted for use as a succession crop.

Cabbage

First Early Varieties
Round or Flat Shaped

176—Copenhagen Market

An Ideal Market Gardener's Variety

Pkt. 10c, oz. 90c, ¼ lb. $2.75. Postpaid

Although of comparatively recent introduction, its undoubted merit has rapidly caused it to become one of the most popular early round varieties in cultivation.

One very remarkable feature about this variety, is its uniform growth and development, practically every head will mature at the same time. This is of incalculable value to market growers, as it very materially simplifies harvesting and shipping.

Copenhagen Market is a short stemmed variety, the heads almost resting on the ground. The leaves are light green, rather small, saucer shaped, and tightly folded. The plants can be set very closely in the field. The heads usually weigh about ten pounds, and the quality is extra fine. Our strain is exceptionally fine, and we recommend it with confidence.

179—Glory of Enkhuizen

The Largest Cropping Early Variety

Pkt. 10c, oz. 75c, ¼ lb. $2.25. Postpaid

Comes into use a week or so later than Copenhagen Market but grows to a larger size. It grows very solid with few outer leaves, and as the habit is dwarf and compact, it can be planted closely. Has been found to be well adapted for planting late for early Winter use.

180—Extra Early Express

Recommended for First Crop

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

A small growing, remarkably early variety, we believe this to be the best for a first crop but as it shows a tendency to bolt as soon as mature, we advise only planting a quantity that can be used quickly as it will not keep long.

Where an early market is available this variety is a sure money maker Having few large outside leaves it can be planted closely.

182—Early Winningstadt

One of the Best Earlies in Cultivation

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

A very distinct type of cone-shaped early cabbage, having a peculiar twist at the point, comes into use between Early Jersey and Charleston Wakefield. Forms a very hard head, showing no tendency to burst, useful alike for Summer or Winter use.

COPENHAGEN MARKET

181—Early Spring

An Extra Early Flathead

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

May be best described as a round flathead, very solid and shapely, and as the heads form quickly, can be marketed early. Tender quality and fine flavor.

LONG STEM BALLHEAD

Cabbage Second Early Varieties

202—McKenzie's Brandon Market

The First of the Second Earlies to Mature

Pkt. 10c, oz. 80c, ¼ lb. $2.25. Postpaid

This is one of the most useful cabbage in cultivation. Anyone desiring to limit themselves to growing one variety, should sow Brandon Market. It is fit for use very early, being ready a few days later than Early Jersey Wakefield, while its keeping qualities adapt it for winter use. We do not believe that any other variety will give such an extended season. It grows very rapidly, forms solid hard heads, not liable to burst, color dark green, tender quality and fine flavor.

203—Danish Summer Ballhead

Exceptionally Good Quality

Pkt. 10c, oz. 75c, ¼ lb. $2.25 Postpaid

Denmark has long been famous for the excellence of its Cabbage, particularly the large growing, late keeping Ballhead types. Danish Summer Ballhead is an early selection of the famous Ballhead strains. While not as heavy a cropper as the late types, the quality has been well maintained. The heads are absolutely round, firm and solid, while the inner leaves possess that snowy whiteness, which makes this variety so popular for table use.

204—All Head Early

One of the Largest Second Earlies

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

Introduced 27 years ago, it still maintains its supremacy as one of the best all round varieties. In shape, it is of the flat head type, forming a very solid head with comparatively few outer leaves, enabling it to be grown more closely together than many other second earlies. An excellent keeping variety: if sown late it can be used as a winter variety, and will keep as hard as a bullet till spring.

208—Early Flat Dutch

Hardy Constitution, Medium Early

Pkt. 10c, oz. 60c, ¼ lb. $1.75. Postpaid

Belongs to the Drumhead type, but bred for earliness. Grows to a large size, and forms exceptionally solid heads. Like the original type it possesses a very hardy constitution, and withstands to a remarkable degree the extremes of climate experienced in the West.

205—Henderson's Early Summer

A Popular Market Gardener's Variety

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

Forms large solid round, flattened heads of excellent quality, tender and sweet. The earliest of the second earlies. Will produce heads of from 8 to 10 lbs. weight each, and matures about 12 days later than Jersey Wakefield.

206—All Seasons

Splendid for Autumn and Winter Use

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

Comes into use, a little later than Early Summer, but grows to a larger size, and for market gardeners use is one of the best. The heads which are a round flattened shape are dark blue in color and of tender quality, good keeper.

207—Succession

Exceptionally Fine as a Second Early

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

Generally recognized as one of the best second earlies, the heads are very large, somewhat flattened in shape, and comes into use about ten days later than Early Summer.

Cabbage Late Varieties

234—Premium Late Flat Dutch

The Best General Purpose Cabbage

Pkt. 10c, oz. 75c, ¼ lb. $2.25. Postpaid

There are many strains of the Popular Late Flat Dutch or Drumhead type of Cabbage, but we unhesitatingly claim that our stock is true premium strain. There is a reason for this, and it has been so named as growers have been in the habit of receiving a premium when marketing well grown heads of this variety. It is of low growing habit, the heads are large, solid, broad and flat on top of a bluish green color. It is a sure header. We specially recommend our strain to the attention of market growers.

228—Danish Roundhead

Unexcelled as a Winter Keeper

Pkt. 10c, oz. 75c, ¼ lb. $2.25. Postpaid

Differs from the famous Danish Ballhead, in being earlier and shorter stemmed. It has fewer outer leaves, which enables it not only to be planted more closely together, but also withstand blight better. It is fit for use two weeks earlier than Ballhead, not quite such a heavy cropper, but in every other respect equal to this well known variety.

229—Danish Ballhead

The Heaviest Cropper and the Best Keeper in Cultivation

Pkt. 10c, oz. 75c, ¼ lb. $2.25. Postpaid

Denmark has long been famous for the high quality of strains of Cabbage. In Danish Roundhead and Ballhead we have two of the most popular varieties of late Cabbage which are grown very largely not only in Western Canada, but all over this continent. Danish Ballhead is beyond question the heaviest cropping, and finest keeping variety in cultivation. The heads are perfectly round and hard as marbles, the most desirable variety for slicing for salads.

230—Marblehead Mammoth

The Largest Variety Grown

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

One of the largest varieties in cultivation, rather coarse grained, and more suitable for stock feeding than for the table.

231—Filderkraut

Pointed Variety, Excellent for Stock Feeding

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

One of the few conical shaped late varieties, grows to a large size extremely hard, and a good keeper, a very profitable variety for stock feeding.

235—Autumn King or World Beater

A King Among the Cabbage Family

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

Produces large solid heads, but as it grows somewhat slowly, it requires a long season to properly develop and for this reason should be planted early.

233—Surehead

A Certain Header

Pkt. 10c, oz. 70c, ¼ lb. $2.00. Postpaid

This variety is very appropriately named, as it most certainly is a sure header. The heads are large, round, flattened, uniform in size, very hard, while the quality is sweet, an excellent keeping variety.

Cabbage (Red Varieties)

280—Danish Stonehead Red

Pkt. 10c, oz. 80c, ¼ lb. $2.25. Postpaid

As the name indicates, this variety was claimed by the raiser to be as solid as a rock. Repeated trials have proved this to be true and it was well named. We believe this to be the best Red Cabbage in cultivation.

281—Blood Red Drumhead

Splendid for General Use

Pkt. 10c. oz. 70c. ¼ lb. $2.00. Postpaid

An old favorite variety, grows to a air size, good hard heads, the color is an unusually deep red—very much prized for pickling.

282—Mammoth Red Rock

The Largest Red Cabbage Grown

Pkt. 10c. oz. 60c. ¼ lb. $1.75. Postpaid

Grows to a large size, excellent quality, color a fine deep red, which is maintained right to the centre of the heart. An excellent variety.

Savoy Varieties

254—Drumhead. A Universal Favorite

Pkt. 10c, oz. 60c. ¼ lb. $1.75. Postpaid

A compact growing large headed variety, leaves beautifully crinkled and netted. A slight frost rather improves the quality.

183—Chinese White—Pe Tsai

The Celery or Chinese Cabbage

Pkt. 10c. oz. 60c. ¼ lb. $1.75. Postpaid

A distinct acquisition. The habit of growth more closely resembles a Cos Lettuce than a Cabbage. The flavor is very mild and the leaves may be eaten raw or cooked. Should not be sown too early; best results usually being obtained by sowing in July.

SAVOY DRUMHEAD

Cauliflower

No better cauliflowers are produced anywhere than in the Prairie Provinces. They represent one of the most valuable and useful vegetables and should be grown in every garden. To ensure success early quick growing varieties should be grown.

339—McKenzie's Early Snowcap

Produces Beautiful Snow White Heads

Pkt. 25c, ¼ oz. $1.60, ½ oz. $3.00, 1 oz. $5.50. Postpaid

The earliest and most useful variety of Cauliflower in cultivation of dwarf and compact growth; may be planted closely in rows; has few outside leaves, permitting the growing of more plants per acre than most other varieties. One of the best sorts for both market and home use. The heads are of uniform size, excellent quality, first class shipping variety.

340—Snowball

A General Favorite. Early and Reliable

Pkt. 25c. ¼ oz. $1.60. ½ oz. $3.00. 1 oz. $5.50. Postpaid

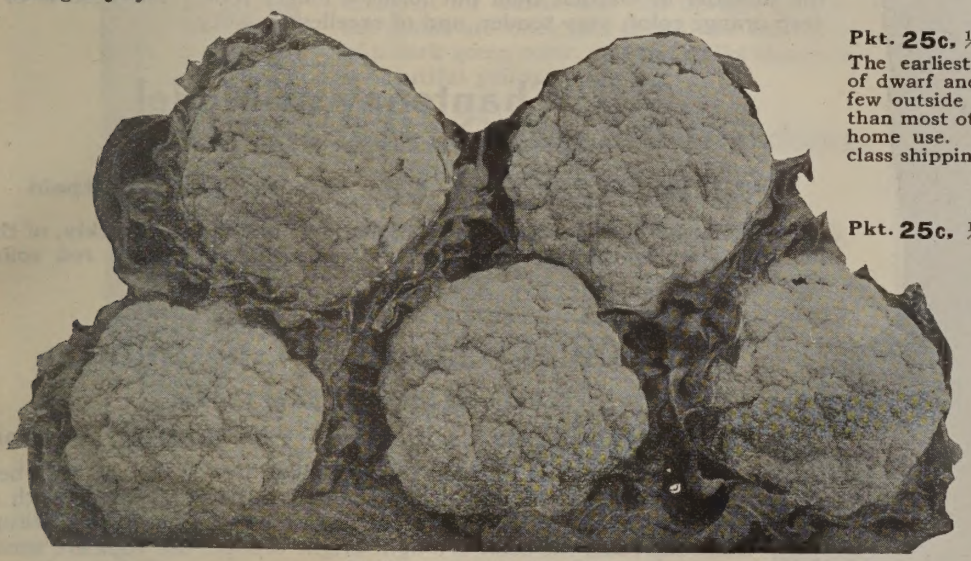
The most universally grown Cauliflower in cultivation. Remarkably early, splendid quality, sure header. By planting at intervals a good supply can be maintained right through the season. The heads are snow white in color, very solid and of tender quality.

341—Early Dwarf Erfurt

Splendid Successional Variety

Pkt. 25c, ¼ oz. $1.60, ½ oz. $3.00, 1 oz. $5.50. Postpaid

Grows larger in size than Snowball, but a trifle later. Recommended, therefore, as a succession crop. The heads are a creamy white of excellent quality.



SNOWCAP CAULIFLOWER

Borecole or Kale

A very hardy and useful vegetable, particularly for late use. Will stand considerable frost without injury; in fact, the flavor is much improved by a slight touch of frost.

611—Dwarf Green Scotch Curled

Pkt. 10c, oz. 50c. ¼ lb. $1.50. Postpaid

Grows about 18 inches high, the leaves are densely curled, of a beautiful deep green color, useful for garnishing. Considered by some to be superior to cabbage for table use.

612—Tall Green Scotch Curled

Pkt. 10c, oz. 50c. ¼ lb. $1.50. Postpaid

Grows from 2 to 3 feet high, grows more profusely than the dwarf type, and should be given more space. The bottom leaves can be gathered and the top leaves left to mature, thus prolonging the season.

Broccoli

Very similar to Cauliflower, but hardier and owing to the peculiar growth of the inner leaves, it is self-protecting. It will keep fit for use longer and can be grown later in the season.

155—Walcheren

Pkt. 10c, oz. $2.00. Postpaid

The earliest variety—the link between Broccoli and Cauliflower, and almost the only variety suitable for Western Canada.

Brussels Sprouts

Miniature cabbages produced on a plant stalk. The delicate flavor is improved by slight frost. They can be grown and cooked like cabbage, and constitute a valuable addition to the table.

166—Giant

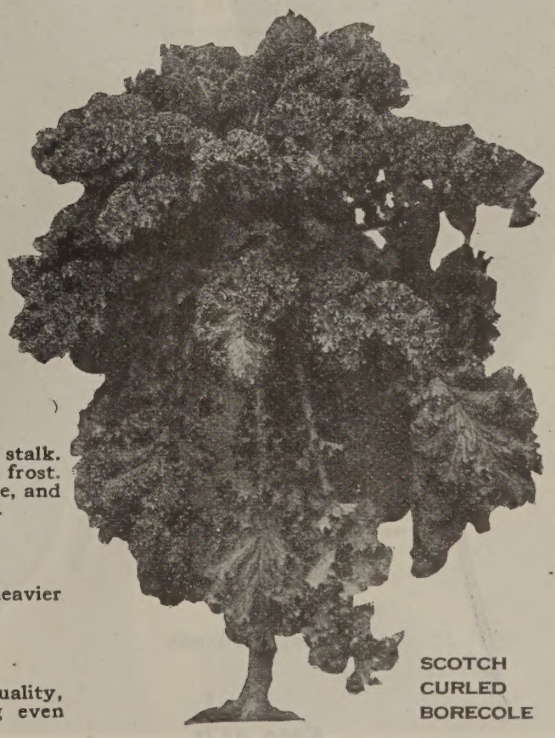
Pkt. 10c, oz. 75c. Postpaid

Taller growing than Dalkeith, and a heavier cropper, but not quite so early.

165—Dalkeith

Pkt. 10c, oz. 75c. Postpaid

A well-known Scotch strain of excellent quality, growing to a medium height, producing even sized hard sprouts.



SCOTCH CURLED BORECOLE

Promote Good Health

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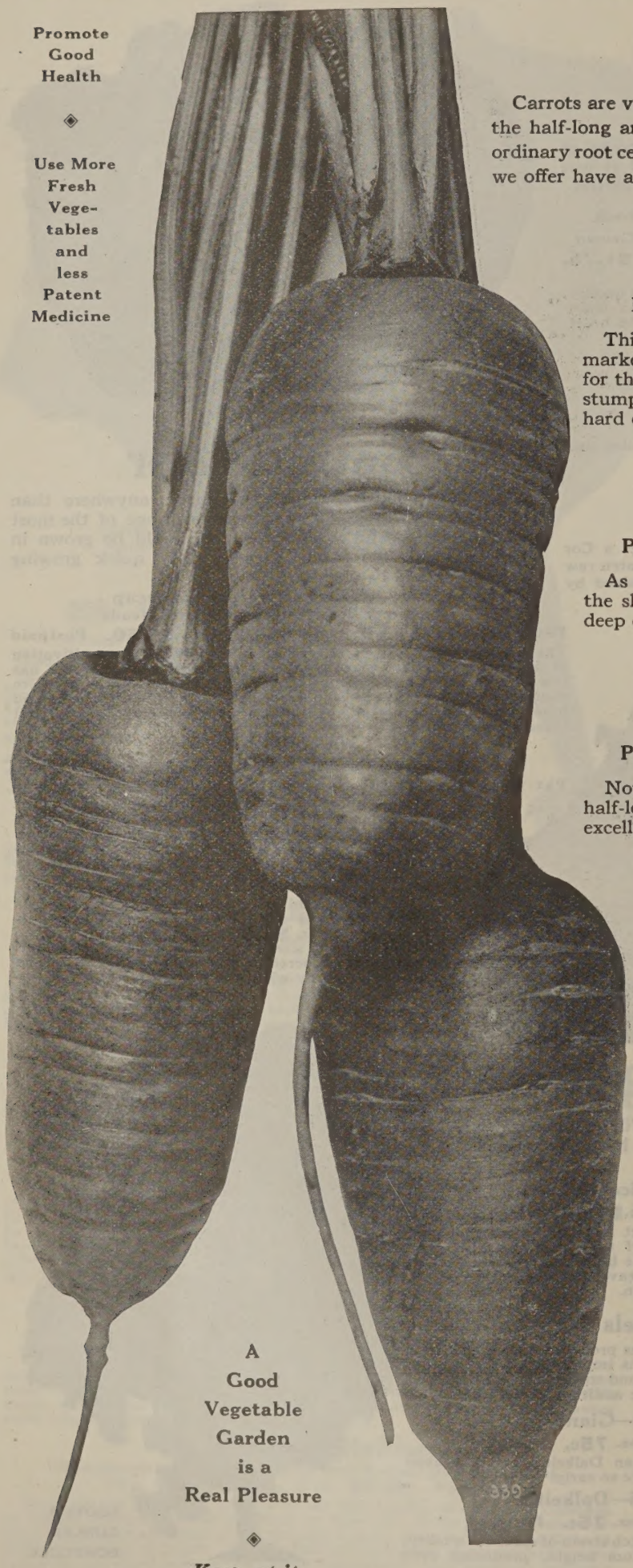
Use More Fresh Vegetables and less Patent Medicine



A Good Vegetable Garden is a Real Pleasure

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Keep at it

Carrot

Carrots are very easily grown and do exceptionally well in the West, particularly the half-long and short varieties. They can be kept without much trouble in an ordinary root cellar, or in a basement which can be kept free from frost. The varieties we offer have all been well tried and succeed well under Western conditions.

307—McKenzie's Garden Gem

The finest carrot for the West

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.35. Postpaid

This carrot has fulfilled every expectation. When we placed it on the market and described it as we did, we felt that it would be a veritable Gem for the garden. It averages 3 inches in diameter at the shoulder, half-long stump-rooted about 6 inches long. Flesh is tender, fine grained, free from hard core, and of a deep golden orange color. Splendid for winter use.

311—Half Long Danvers

A Very Popular Half-Long Variety

Pkt. 10c, oz. 20c, ¼ lb. 65c, ½ lb. $1.20. Postpaid

As a second early Danvers is hard to beat, it does not grow so thick at the shoulder as Garden Gem but forms a longer root. The flesh is of a deep orange color, very tender, and of excellent quality.

310—Chantenay or Model

A Splendid Variety for Home Use

Pkt. 10c, oz. 20c, ¼ lb. 65c, ½ lb. $1.20. Postpaid

Not as heavy a cropper as the foregoing, but grows very quickly, of the half-long, stump-rooted type, smooth skinned, deep orange red color, excellent quality.

308—Oxheart or Guerande

A Popular Short Type of Carrot

Pkt. 10c, oz. 20c, ¼ lb. 65c, ½ lb. $1.20. Postpaid

Where the soil is inclined to be shallow this is one of the best varieties to grow. Briefly, it may be described as follows: Length of root 4½ inches to 5 inches, stout and thick, ending in an abrupt small tap root; the color is a light bright orange; the tops are small; the quality is exceptionally tender and sweet. This variety is sometimes used as a field variety and grown for stock feeding, its fine quality being much relished by stock—forming an excellent change of diet. In spite of its shortness it is a heavy cropper as it grows broad and thick. One of the easiest varieties to harvest,

314—French Forcing Horn

The Earliest Variety in Cultivation

Pkt. 10c, oz. 25c, ¼ lb. 75, ½ lb. $1.40. Postpaid

The roots are almost round, about 2½ inches in diameter, dark orange red in color. Its chief virtue lies in its earliness, being specially adapted for forcing; a small cropper and not recommended except for early use.

315—St. Valery

The Finest Main Crop Variety in Cultivation

Pkt. 10c, oz. 20c, ¼ lb. 65c, ½ lb. $1.20. Postpaid

An intermediate type, between the half-long garden varieties and the long growing field sorts. Roots grow from 10 to 12 inches long, broad at the shoulder, smooth skinned, pointed shape, bright red color, small top, excellent quality. A splendid keeper and excellent for winter use.

Celery

GIANT PASCAL

Insurance

Most discerning persons carry insurance in some form—either LIFE, ACCIDENT, FIRE, HAIL.

The first step to crop insurance is "GOOD SEED." It matters not how good the soil is or the amount of labor bestowed — if the seed fails, everything fails.

GOOD SEED is of first importance.

Insure your crop and insure the hard work you put into it by purchasing only GOOD SEEDS.

The growing of Celery does not present the difficulties that some folk imagine. Attention to a few minor details is all that is required to ensure success. Splendid celery can be grown in the Prairie Provinces. It is a health-giving vegetable which furnishes a delightful change, either used raw or cooked.

368—McKenzie's Brandon Prize

One of the Best for Western Conditions

Pkt. 10c, ½ oz. 45c, oz. 75c, ¼ lb. $2.00. Postpaid

One of the earliest varieties in cultivation. The leaves are a light bright green; the stalks are easily blanched to a beautiful silvery white color. Delicious nutty flavor.

369—Giant Pascal

A Popular Winter Variety

Pkt. 10c, ½ oz. 45c, oz. 75c, ¼ lb. $2.00. Postpaid

Of compact habit and vigorous growth, permitting of close planting. A good main crop variety, producing a great weight per acre. One of the best keeping varieties, excellent for winter use. Of upright growth, the stalks are thick and broad, the leaves are of a dark green color, and the stalks blanch to a beautiful yellowish white.

371—Golden Self Blanching

The Most Handsome Variety on the Market

Pkt. 25c, ¼ oz. 60c, ½ oz. $1.00, oz. $1.80. Postpaid

Universally admitted to be the best all round early variety of Celery in cultivation. Introduced in 1883 by the celebrated vegetable growers Messrs. Vilmorin, of Paris. French grown seed has maintained its superiority ever since, and we have always made it a point to distribute only seed of French origin.

The plants are compact and stocky, with yellowish-green foliage, easily blanched to a golden yellow. The stalks are thick, broad and crisp, of beautiful nutty flavor.

370—White Plume

Distinguished by its Silvery White Leaves

Pkt. 10c, ½ oz. 45c, oz. 75c, ¼ lb. $2.00. Postpaid

This is a very distinct and universally popular variety, distinguished by the silvery whiteness of the inner leaves, stalks and heart. It is remarkably early, and blanches very easily. One of the best varieties of its class for both home and market use.

396—Celeriac Large Smooth Prague

Turnip Rooted Celery

Pkt. 10c, ½ oz. 35c, oz. 60c, ¼ lb. $1.75. Postpaid

This is quite distinct from other varieties of celery inasmuch as it is grown for the root instead of the stalks. The variety we offer grows a large smooth and almost spherical root. Much appreciated for flavoring soups, salads, etc.

406—Soup Celery

Sold for Flavoring Only. Not Suitable for Sowing

Oz. 25c, ¼ lb. 75c. Postpaid

Sweet Corn

Sweet Corn is one of the most popular products of the garden grown on this continent, and with the introduction recently of early maturing hardy varieties, there is no reason why Corn" on the Cob" should not be enjoyed by each and every one in Western Canada. If you have not succeeded in the past, our advice is "try again." You will be rewarded with success and its attendant joys.

The list of varieties we offer is a most complete one. We feel that we are catering to every need and desire of gardeners in the West. In describing the different varieties we have sought to avoid superlatives, and simply state the distinguishing and salient features of each.

480—Squaw

The Hardy Variety of the Pioneer

Pkt. 10c, ½ lb. 25c, 1 lb. 45c. Postpaid

This is the native variety, bred and grown for generations by the Indians, a significant example of the survival of the fittest.

The stock we offer is the genuine Squaw, the dwarf growing hardy type, the variety we recommend every beginner in the West to start with. It scarcely ever fails and will yield a crop under the most adverse conditions. If you have not succeeded growing other varieties, try Squaw.

484—Indian Sweet

A Decided Acquisition

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

Originally selected by a member of the Mandan tribe of Indians, and reselected for years with painstaking care. Fit for use immediately following the Early July, but a heavier cropper and slightly better quality.

483—Early July

The Earliest Sweet Corn in Cultivation

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

Another season's trial of this variety has vindicated our claim that this is the earliest Sweet Corn grown. Comes into use just after the Old Squaw, which is not really a Sweet Corn but belongs to the Flint type. Early July is very dwarf, and while not a heavy cropper, its delicious flavor and extreme earliness ensure for it a place in every garden where corn is prized as a vegetable.

INDIAN SWEET

EARLY JULY

488—Whipple's Early

Pkt. 10c, ½ lb. 40c, 1 lb. 65c. Postpaid

The splendid new variety raised by Mr. Silas Whipple, of Connecticut, is, we believe, destined to occupy a leading place in Western Canada. The quality is quite equal to Golden Bantam, and it is just as early as this well known variety. The size of the ears and the cropping qualities are superior to any other early sort. The ears are 7 to 8 inches long, and have 16 to 20 rows of good size kernels. Each ear is filled right to the tip. Unlike most other early varieties, the stalks grow tall, and the ears are often 4 ft. from the ground. We believe this variety has a wonderful future before it as a market variety, on account of its earliness, large size, beautiful white color, and excellent quality.

486—Mammoth White Cory

The Earliest Large Cobbed Variety

Pkt. 10c, ½ lb. 30c, 1 lb. 50c. Postpaid

There are many who prefer a white variety of corn. Mammoth White Cory ranks among the earliest of the larger growing varieties. The ears are ten to twelve rowed, seven to eight inches long. Stalks grow about four feet high and usually produce two large handsome ears on each stalk.

GOLDEN BANTAM

487–McKenzie's Primo

The Best of the Red Cob Varieties

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

A most desirable variety producing unusually large ears for such an early dwarf sort, being eight inches long and eight to ten rowed, with exceptionally broad grain. Very early, following Mammoth White Cory, a heavy cropper, cob an attractive pinkish-red color.

479—Golden Bantam

Delicious Flavor and Attractive Appearing Variety

Pkt. 10c, ½ lb. 35c, 1 lb. 55c. Postpaid

This well known Corn is a beautiful golden yellow color; very early, comes into use immediately after McKenzie's Primo. The ears grow from six to seven inches long, and are eight rowed. The quality of this Corn leaves nothing to be desired. We believe it is the most delicious flavored Sweet Corn in cultivation, useful alike for either home or market use. A splendid variety for canning.

477—McKenzie's Northern Success

A Very Popular Variety in the West

Pkt. 10c, ½ lb. 35c, 1 lb. 55c. Postpaid

A white seeded variety of exquisite flavor, heavy cropper and remarkably early. Next to Squaw this is the most universally grown variety in the West. The cobs are eight and ten rowed, six or seven inches long, more slender than Mammoth White Cory.

CORN—Recognizing the importance of choice Garden Corns for the Canadian West we have given special study to the varieties best adapted and certain of success.

482—Early Malcolm

A Heavy Cropper and Excellent Quality

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

This variety has proven a valuable acquisition. It is a rich creamy-white color, produces a cob seven or eight inches long, and comes into use following Mammoth White Cory.

501—Pop Corn—White Rice

Pkt. 10c, ½ lb. 25c, 1 lb. 40c. Postpaid

The only variety that will mature early enough to suit conditions in Western Canada. Should be planted closely together; this has the effect of encouraging earlier cobbing and also the ears and grain are smaller, which is more desirable for popping.

For Pop Corn for Popping, see page 84

489—De Lue's Golden Giant

A Specialty for you

This new variety is claimed to be superior to Golden Bantam both in size of ear and quality. It is claimed by its introducer to be one to two weeks earlier than Bantam—if this is correct it would seem we had at last found a type we have all been looking for.

A Winnipeg gardener described it as a "howling success" after comparing it in growing competition, yield and tenderness with other varieties.

We offer it in packets only.

Special Packets 35c, each. Postpaid

MCKENZIES' PROLIFIC

Cucumber

One of the most useful vegetables grown, the slicing varieties should be sown early, and if the fruits are removed from the plants as they are ready for use, and the plants plentifully supplied with water, they will continue to bear right through the season. The pickling varieties are best sown later. What is more refreshing on a hot summer day than a dish of freshly gathered Cucumber, sliced, while pickled Cucumbers are welcomed all the year round.

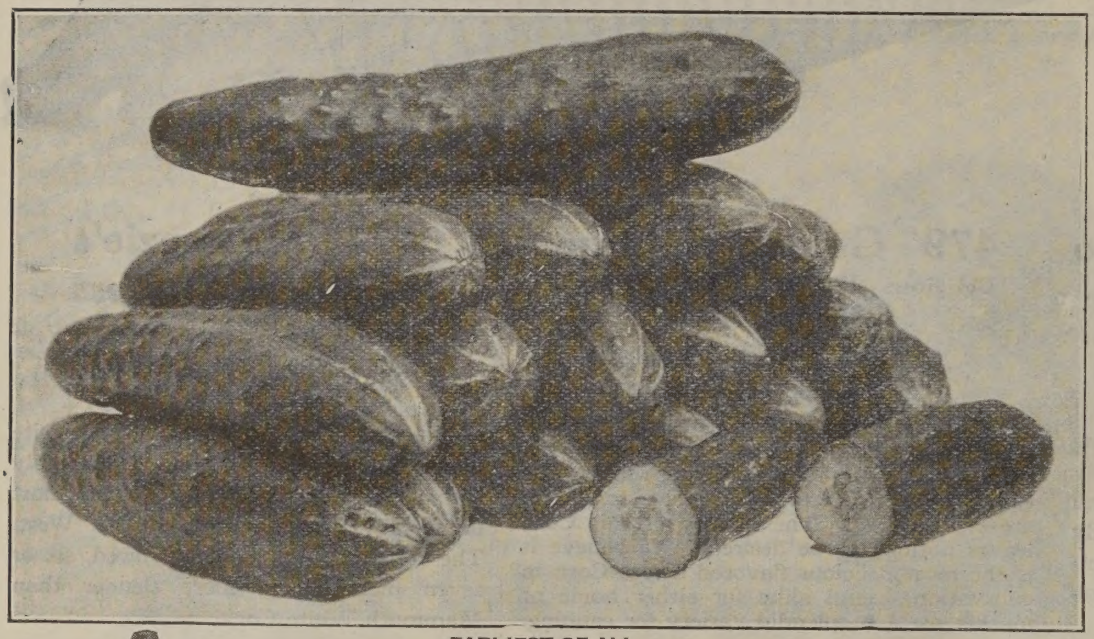
Varieties marked "S" are recommended for slicing only, those marked "P" for pickling only, and "SP" suitable for either slicing or pickling.

543—McKenzie's Prolific (P)

The Popular Pickler

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.45. Postpaid

We take pardonable pride in having introduced this variety to the West, and today it stands without a rival as the most popular pickling Cucumber. The fruits are usually about 7 inches long and 3 inches in diameter, very productive uniform, and of good color.



EARLIEST OF ALL

557—Earliest of All (S)

The Earliest Slicer

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.45. Postpaid

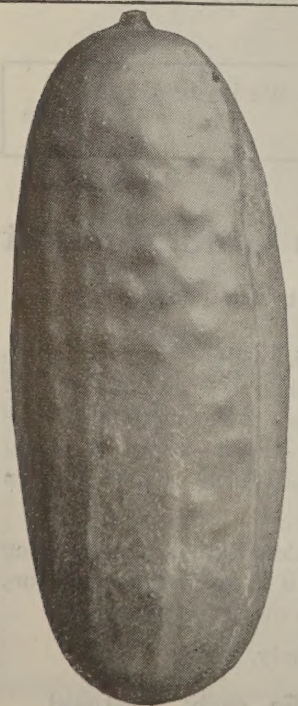
We are introducing this variety this year, and believe it will be a decided acquisition. The grower describes this as the earliest slicing variety in cultivation. It is of the white spine type and is of very desirable quality. Fruits are very full and uniform, tapering slightly, but very abruptly at both ends, the color is a good deep green. The fruits are about 8 inches long and 3 inches in diameter.

555
Extra Early Russian (P)

The Earliest Cucumber in Cultivation

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30, Postpaid

A very distinct variety, produces a small fruit, but is exceptionally early, being ready for use three months after planting. The fruits grow about 3 in. in length and 1½ in. in diameter, and the plants are very productive.



EARLY FORTUNE

556—Early Fortune (P & S)

Splendid Quality

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30. Postpaid

We were the first to introduce this excellent variety to Western Canada, and it has proved such a decided acquisition that we take a pardonable pride in having done so. The quality is excellent, it is very early, productive and disease resistant. The flesh is white, very firm and crisp, color a rich dark green, produces very few seeds. An ideal shipping variety, useful alike for pickling or slicing. Length 9 in., diameter 2½ in.

547—Early Cluster (P)

The Great Pickling Variety

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30. Postpaid

One of the most valuable pickling sorts on the market. Very early, the fruits are short and chunky, and are borne in clusters in the centre of the plant, the color is light green, the plants are very productive and the fruits average 5 inches long and 2¼ inches in diameter.

553—Early Frame or Early Short Green (P & S)

A Vigorous Growing and Productive Variety

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30. Postpaid

A good all round variety suitable for either slicing or pickling, medium in size and earliness, the fruit is of a light green color, 6½ inches long, 2¼ inches diameter, grows somewhat three cornered in shape rather than round.

Cucumber

545—Chicago Pickling

A Popular and Useful Variety

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30.
Postpaid

One of the best known and most popular Cucumbers grown in the West. The fruits set very early and if kept pulled will continue to produce fruit until freeze up. An excellent pickling variety, "A1" for shipping, good color. Our stock has been carefully selected and is a very superior strain.

546—Cool and Crisp (S)

A General Favorite for Slicing

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30.
Postpaid

An early variety of the White Spine type. The tendency of the fruit is to grow thick in the middle and pointed at either end. The fruits average eight inches long and three inches in diameter. Not recommended for pickling, but "A1" for slicing.

550—Long Green (S & P)

The Best for General Crop

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30.
Postpaid

For general crop we recommend this variety. It is not so early as most of the preceding sorts, but is medium early and produces long handsome fruits averaging eight to ten inches, two and one-half inches in diameter, tapering very slightly. The color is dark green and the flesh is white and firm. The smaller fruits can be utilized for pickling.

549—Fordhook's Famous White Spine (S)

The Largest of the White Spine Type

Pkt. 10c, oz. 25c, ¼ lb. 75c, ½ lb. $1.30.
Postpaid

A very handsome and high quality Cucumber. The fruits are eight to ten inches long, three and one-half inches thick, tapering at both ends, crisp and solid. The vines are of strong vigorous growth, a heavy cropper, and the fruits are uniformly smooth and regular in form. The color is light green, thin skinned, the flesh is firm and of excellent quality.

PURE SEED

Quality First

—

Satisfaction Assured

PURE SEED

Miscellaneous Vegetables

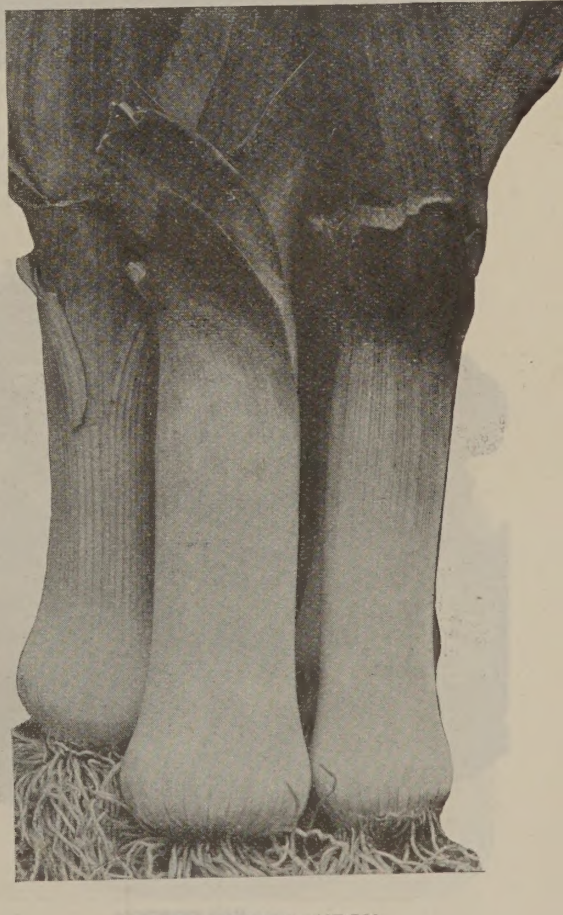
	Postpaid		
	Pkt.	Oz.	¼ lb.
426—CHERVIL. Fine curled. Grows finer than Parsley. Useful for flavoring soups and for garnishing	.10	.50	$1.50
436—CHICORY. Large rooted Magdeburg. The dried roots are roasted and used as a substitute for coffee. When forced, the leaves make an excellent Winter salad	.10	.75	$2.25
467—COLLARDS. Selected. Belonging to the Brassica family, somewhat resembling Kale. Splendid for Fall or Winter Greens	.10	.35	$1.25
521—CORN SALAD. Large leaved Dutch. A vigorous growing variety. Leaves large, round, greyish-green and veined	.10	.35	$1.00
Cress or Pepper Grass			
531—EXTRA TRIPLE CURLED. Used as a condiment and for garnishing. Grows very rapidly	.10	.20	.50
533—WATER. A most appetizing salad. Thrives best on the banks of a running stream	.15	$1.00	
Egg Plant			
579—NEW YORK IMPROVED PURPLE. The favorite market variety. Plant grows to a large size, spreading habit and spineless. Usually produces four to six large oval fruits of dark purple color	.10	$1.50	
Endive			
589—GREEN CURLED. The hardiest and most vigorous growing variety. The leaves are of a deep green color, with the outer midribs showing a trace of rose. Blanches a beautiful creamy-white	.10	.25	.60
Kohl Rabi			
638—EARLY WHITE VIENNA. Extremely early with distinctly small tops. Bulbs are of medium size, color light green changing to white. Finest quality	.10	.60	$1.75
639—EARLY PURPLE VIENNA. A trifle later than the White variety, but grows a larger bulb. The skin is purple, but the flesh is white	.10	.60	$1.75
Leeks			
The culture of this excellent and valuable vegetable only needs to be more general for it to be better appreciated. Very hardy, easily grown, and a most useful and wholesome vegetable.			
652—BROAD LONDON OR ENGLISH FLAG. A strong growing variety, producing thick stems of excellent flavor	.10	.40	$1.25
651—MUSSELBURGH. A very hardy variety. The stems, which blanch very easily, will grow under favorable conditions to eighteen inches in length. Splendid quality	.10	.40	$1.25
Mustard			
810—FINE WHITE. Excellent as a salad and should be used as a condiment to conjunction with Cress. Mustard and Cress is always appreciated	.10	.25	.75

Pleasure and Profit

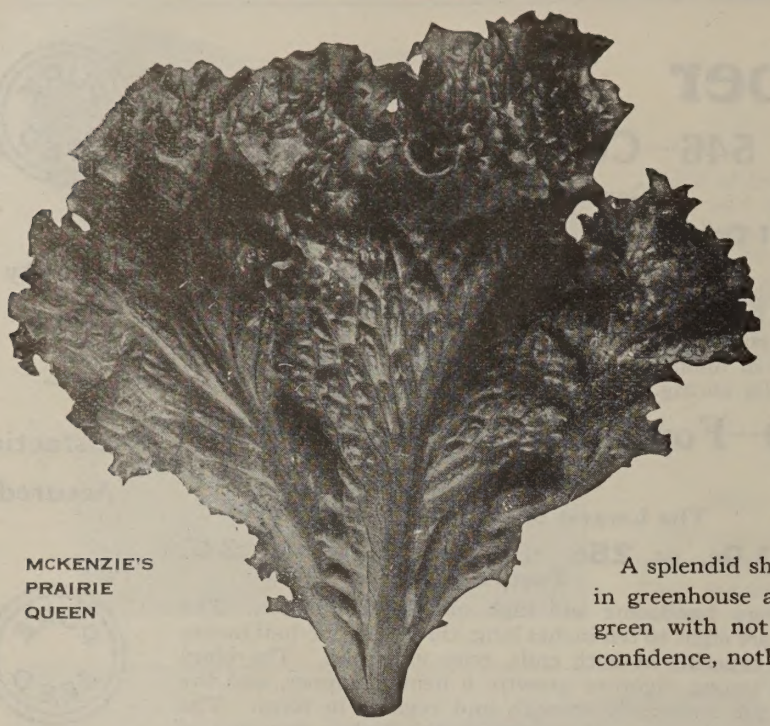
You will never know what a difference there is in Vegetables until you grow them in your own garden.

It has been proven that Garden Corn, for instance, loses considerable of its nutritive value within 48 hours of being picked.

Grow your own but remember first of all that good seed is imperative. **McKenzie Seeds** have been sown by careful growers for 25 years. Start right and pleasure and profit will result.



LEEK—MUSSELBURGH



MCKENZIE'S PRAIRIE QUEEN

Lettuce

The most popular salad, can be easily grown in fresh crisp wholesome condition in Western Canada from May till September, healthy, appetizing and refreshing.

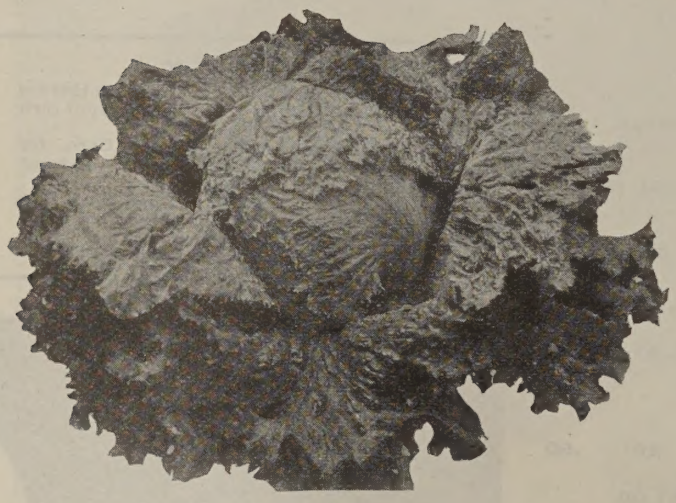
682—McKenzie's Prairie Queen

The Popular Loose Leaf Variety

Pkt. 10c, oz. 40c, ¼ lb. $1.20. Postpaid

The best lettuce for early use, does not form heads but the leaves being very tender, crumpled and fringed ensure for this variety continued and increasing popularity.

A splendid shipping variety, more extensively used by market growers for forcing in greenhouse and general use than any other variety. The color is a very light green with not a trace of brown. We recommend this lettuce with the utmost confidence, nothing better for the Prairie Provinces.



DENVER MARKET

683—All Seasons

One of the Best Butter Heads

Pkt. 10c, oz. 35c, ¼ lb. $1.00. Postpaid

A very large growing, head lettuce, if sown at intervals of ten days, may be had in nice crisp condition all through the season. The leaves are broad and smooth unusually thick and fleshy, color of outer leaves medium dark green, heart deep yellow, quality delicious.

690—Big Boston

Large and Compact Head

Pkt. 10c, oz. 35c, ¼ lb. $1.00. Postpaid

A very popular variety both for outside culture as well as cold frame forcing. As its name implies the heads grow to an unusually large size, leaves are broad almost smooth but wavy at the edge, color is light green slightly tinged with reddish brown, the heart is greenish-white, tinged yellow.

686—California Cream Butter

Attractive Appearance, Delicious Quality

Pkt. 10c, oz. 35c, ¼ lb. $1.00. Postpaid

This variety holds a very high place in our estimation, and we expect that as it becomes better known it will be much more extensively grown. The plant is of compact habit, heads are large, globular and firm, the leaves are broad, crumpled and fleshy, color is a dark glossy green, spotted with brown, the hearts blanch a beautiful golden yellow, the quality is "A1."

BIG BOSTON

689—Denver Market

Tender, Crisp and Delicious

Pkt. 10c, oz. 30c, ¼ lb. 90c. Postpaid

A very popular and useful variety, adapted for early and late use both outdoor and for forcing in greenhouse or frames. The leaves are short, crumpled and frilled on the edges, color is very light green, without brown spots of any kind. Tender and crisp and forms a firm oval-shaped head.

687—Grand Rapids

A Favorite Loose-leaved Variety

Pkt. 10c, oz. 35c, ¼ lb. $1.00. Postpaid

An important feature of this variety is its ability to withstand drought and heat without running to seed. We recommend it for the first sowing out of doors. The color is very light green with no trace of brown, the leaves are short, crumpled and the border heavily fringed; being a loose-leaved variety, it may be planted close together.

Lettuce

691—Hanson

Crisp and Tender, Mild Quality

Pkt. 10c, oz. 30c, ¼ lb. 90c. Postpaid

Many growers maintain that this is the best loose-leaved variety in cultivation. Medium size, light green in color, leaves crumpled and crisp, excellent quality.

The feature which distinguishes it most and renders it of unusual value for Western Canada, is its ability to withstand extreme heat, and keep in good condition without running to seed. After maturity it does not wither like many other varieties, but will keep in good condition for over two weeks.

688—Iceberg

Of pleasing appearance and quality

Pkt. 10c, oz. 35c, ¼ lb. $1.00 Postpaid.

A few days earlier than Hanson, but does not grow quite so large, it is also lighter in color.

The head is firm and well blanched, the leaves overlapping each other in very close formation. It does not spot and is light green color with a slight trace of brown on the border. The quality is excellent, being crisp and sweet, providing a delightful cool salad for the warm days, rendering its description very appropriate.

MAY KING

PARIS WHITE COS

684—May King

Early, Handsome Appearance, fine Quality

Pkt. 10c, oz. 35c, ¼ lb. $1.00. Postpaid.

A very handsome small growing, extremely early, compact heading variety, the leaves are a light yellowish green color, tinged with brown at the edges, the heart blanches a fine golden yellow, excellent quality.

685—Black-Seeded Simpson

A Popular Crisp Leaf Variety

Pkt. 10c, oz. 35c, ¼ lb. $1.00. Postpaid

Considered to be one of the best, large, early, loose-heading varieties, succeeding everywhere, very popular alike with both professional and private gardeners. A very reliable variety, can be depended upon under varying conditions. The leaves are of a broad formation, blistered and crumpled, and frilled on the border, the color is a light yellowish green, while the quality is fine.

717—Paris White Cos

A Useful Lettuce, quite distinct from the Cabbage Varieties

Pkt. 10c, oz. 35c, ¼ lb. $1.00. Postpaid

We believe this to be the best of the Cos Varieties. It forms a conical shaped head, leaves are oval in form, flat and smooth, and being a self closing variety, the inner leaves are nicely blanched, the color is medium dark green, while the quality is excellent.

Mushroom Spawn

Fresh Mushrooms provide a very appetizing dish, and are much appreciated as a table delicacy. Their production is not by any means such a difficult matter as many seem to suppose.

We issue a leaflet, giving simple instructions, which if followed carefully, and good fresh spawn used, success will be assured.

Aside from their value for home use, Mushrooms find a ready market in any of our large cities, at a price which makes them an attractive source of revenue.

We always have on hand fresh supplies of both American and English Spawn, of the very finest brands available.

789—Lambert's Pure Culture Spawn

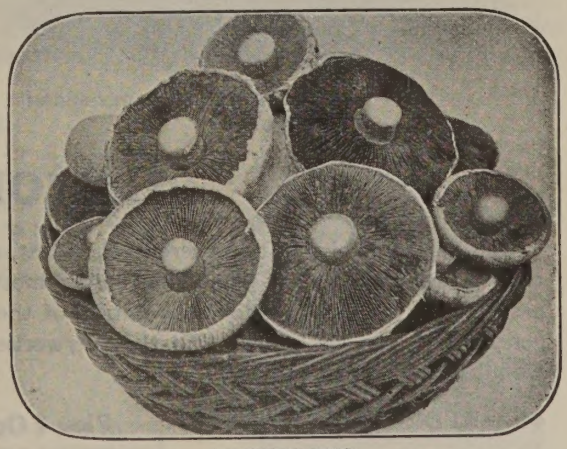
Per brick 65c, 5 bricks $3.00. Postpaid

5 bricks by Express at Purchaser's Expense for $1.75

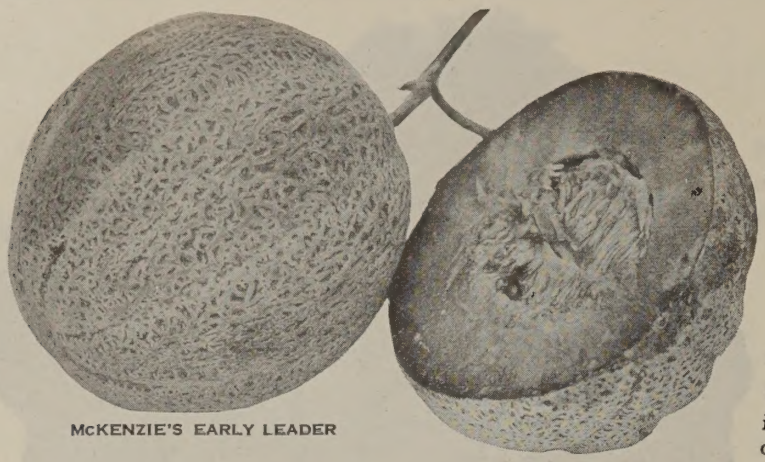
790—Finest English Milltrack

Per brick 45c, 5 bricks $1.75. Postpaid

5 bricks by Express at Purchaser's Expense for $1.00



MUSHROOMS



McKENZIE'S EARLY LEADER

Musk Melon or Cantaloupe

The varieties we offer are quick growing, early maturing sorts, and are adapted for growing and producing medium sized fruits, in the short seasons experienced in the Western Provinces.

746—McKenzie's Early Leader

Early and Good Quality

Pkt. 10c, oz. 55c, ¼ lb. $1.65. Postpaid

Introduced by us because of its extreme earliness. Grows to a medium size, oblong in shape, skin of a deep green color, changing to golden at maturity, beautifully netted and slightly ribbed, the flesh is fairly thick and sweetly flavored. If you have failed to ripen other varieties, we recommend you to try Leader, it will please you.

745—Early Hackensack

Good for General Use

Pkt. 10c, oz. 30c, ¼ lb. 90c. Postpaid

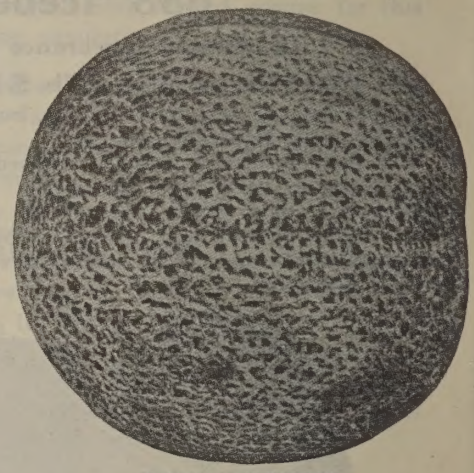
An early selection from the old Hackensack, maturing from a week to ten days earlier, it is slightly smaller and not so deeply ribbed, but otherwise retains all the good qualities of the original Hackensack.

744—Emerald Gem

One of the Best for the Home Garden

Pkt. 10c, oz. 30c, ¼ lb. 90c. Postpaid

This variety was evidently so named because of the dark green color of the outside skin. The interior flesh is bright orange. It is unexcelled for home use, but is not recommended for shipping. Pronounced by many who have used it to be the sweetest melon grown. The vines are strong growing and unusually productive.



EARLY HACKENSACK

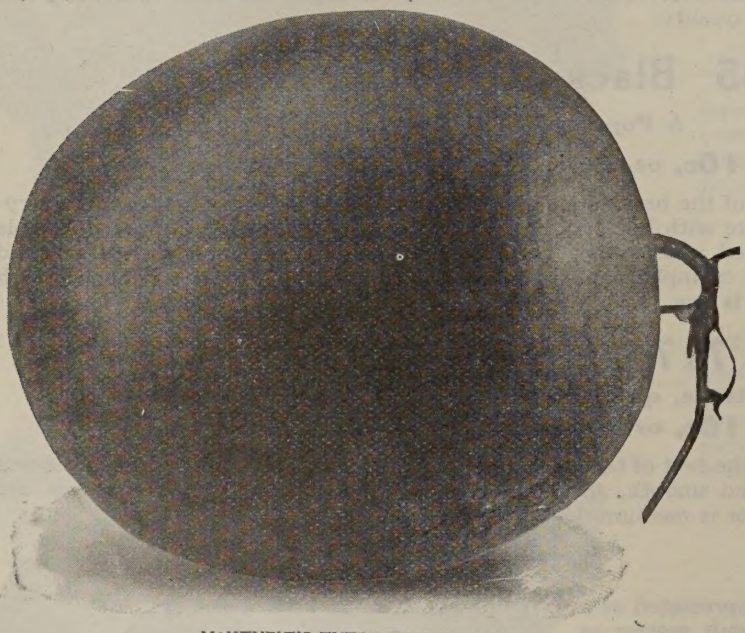
743—Paul Rose

A Heavy Cropper and a Good Keeper

Pkt. 10c, oz. 30c, ¼ lb. 90c. Postpaid

Said to be a cross between Netted Gem and Osage, raised by a grower in Michigan, after whom it was named.

The flesh is of a beautiful orange color, and is suitable for either home or market use. It is medium early, grows to a fair size and we recommend it very highly believing it will suit the needs of Western growers.



McKENZIE'S EXTRA EARLY SUGAR

Water Melon

771—McKenzie's Extra Early Sugar

Pkt. 10c, oz. 30c, ¼ lb. 85c. Postpaid

We believe this to be one of the most delicious Water Melons ever introduced to Western Canada. Grows to a medium size nearly round in shape, the rind is of a dark green color, flesh is deep pink, quality excellent. If you have been unsuccessful in growing Water Melons in the past, try this variety and you will be delighted with it.

770—Peerless or Ice Cream

Early and Good Quality

Pkt. 10c, oz. 25c, ¼ lb. 75c. Postpaid

One of the best early varieties for home use. The rind is rather tender and will not stand long distance shipping. The fruits are of medium size, oval in shape, bright green in color, veined with a darker shade. Flesh scarlet, crisp and sweet. Highly recommended.

Citron

Can be grown almost anywhere in the West, and can be relied upon to produce a crop of useful fruits for preserving, under most trying climatic conditions. Their ease of culture, and the delicious nature of the fruit should ensure for them more general use, and we believe that the overworked phrase, "once used always used," would be very applicable.

446—RED SEEDED VARIETY. **Pkt. 10c, oz. 25c, ¼ lb. 75c. Postpaid**

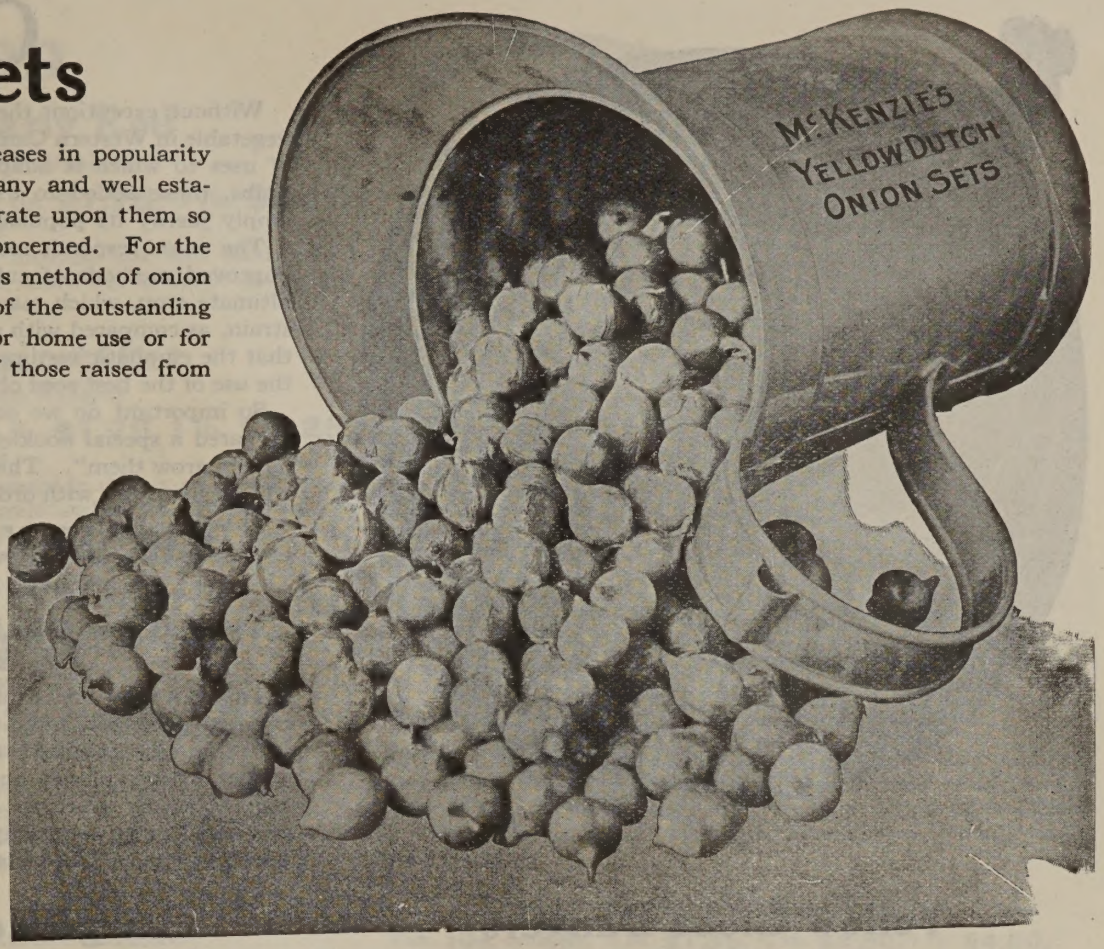
447—GREEN SEEDED VARIETY. **Pkt. 10c, oz. 25c, ¼ lb. 75c. Postpaid**

CITRON RED SEEDED

Onion Sets

The growing of Onions from sets increases in popularity each year. The advantages are so many and well established that it is unnecessary to elaborate upon them so far as those who have used them are concerned. For the benefit of those who have not tried this method of onion culture, we briefly enumerate a few of the outstanding features. Good sized Onions either for home use or for market, are ready four weeks ahead of those raised from seed, green Onions in half the time required to raise from seed. The labor bill is reduced to a minimum, as thinning is not required, in fact nothing need be done to the sets except keep them free from weeds until they are ready to harvest. The danger of losing the crop through the ravages of Onion Maggot and other insect pests is reduced to a minimum.

For Early Onions, plant McKenzie's Dutch Sets.



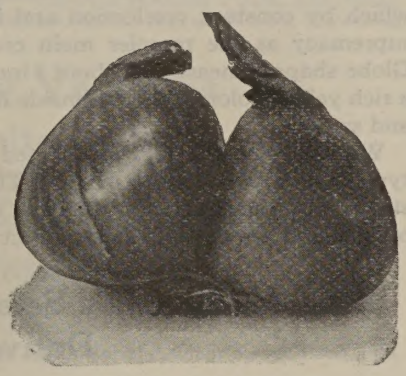
WHITE DUTCH SETS

887—Yellow Dutch

The Popular Variety

½ lb. **25c,** 1 lb. **35c,** 5 lbs. **$1.70.**
Postpaid

Our stock is of superior quality, grown from high grade seed, producing ideal sets for planting in Western Canada. Being small, round and hard, they go much further than the larger soft sets sometimes sold, and are not so liable to run to seed in dry weather.



YELLOW MULTIPLIER

888—White Dutch

Well Adapted for Producing Early Green Onions

½ lb. **25c,** 1 lb. **40c,** 5 lbs. **$1.90.**
Postpaid

The white set, if better known, would undoubtedly be more grown than it is. Quite distinct from the yellow, when ordering we suggest that you include a few of the white variety. They produce green onions quicker, and are milder in flavor, matured bulbs of the white variety will also be ready sooner and housewife knows that in cooking there are times that a white onion is preferred to the yellow or red varieties.

889—Yellow Multiplier or Potato Onion

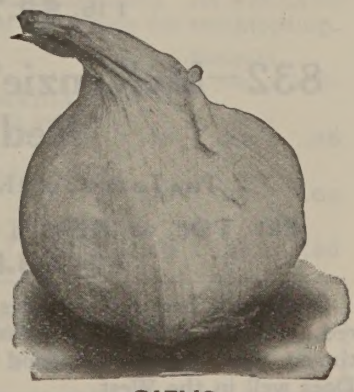
½ lb. **25c,** 1 lb. **35c,** 5 lbs. **$1.70.** **Postpaid**

Quite distinct from other sets being grown by division of the parent bulb, rather than from seed. For producing early green onions, they are recommended, being earlier and more economical than Dutch sets. On account of its cluster growing habit it will throw from 6 to 12 sprouts from each bulb. If allowed to mature they will produce bulbs of moderate size which keep well and are of a mild flavor.

909—Garlic

½ lb. **40c,** 1 lb. **65c,** 5 lbs. **$3.15.** **Postpaid**

A perennial bulbous plant, with strong pungent flavor much esteemed for flavoring soups, stews, etc. The cultivation is practically the same as Onion Sets, like the Multiplier they are propagated by divisions.



GARLIC

Onion

Without exception, the Onion is the most universally grown vegetable in Western Canada. The ease of culture, the varieties of uses to which it adapts itself, the keeping qualities of the bulbs, these added to its well known health giving properties, amply justify its popularity.

The onion responds readily to improvement by selection and improved methods of cultivation, and as the difference in the ultimate crop, which may be harvested from a poor unselected strain, as compared with a selected pedigree strain, is so marked, that the emphatic testimony of every experienced grower favors the use of the best seed obtainable.

So important do we consider the Onion crop, that we have prepared a special booklet on the subject entitled "Onions and how to grow them". This booklet is published at 10 cents but will be given free with orders on request.

830—McKenzie's Northland

The Ideal Yellow Globe Onion, a Sure Cropper

Pkt. **10c**, oz. **35c**, ¼ lb. **$1.00**, ½ lb. **$1.85**, 1 lb. **$3.50**. Postpaid

This is a very fine strain of the Danver's type, it is a heavy cropper, producing large well shaped, clean skinned bulbs. In selecting, care has been taken not to sacrifice keeping qualities at the expense of size and as a result we have a yellow, globe-shaped Onion, which for keeping and cropping qualities stands unrivalled. Its suitability for Western Canada has been established beyond a yea or nay.

Yellow Globe Danvers

One of the oldest types of Onion, being introduced about 1850, which by constant reselection and improvement still maintains its supremacy as the premier main crop Onion for Western Canada. Globe shaped, measuring about 3 inches through, outside skin being a rich yellow color, while the inside flesh is creamy white, crisp, mild and sweet.

We offer two stocks, our selected strain representing the highest type of this well known onion. The general stock is also a good strain, and recommended to those who mainly require small green onions, and are not particular about producing large bulbs.

839—McKenzie's Selected Yellow Globe Danvers

Pkt. **10c**, oz. **30c**, ¼ lb. **90c**, ½ lb. **$1.75**, 1 lb. **$3.25**. Postpaid

838—Yellow Globe Danvers (General Stock)

Pkt. **10c**, oz. **30c**, ¼ lb. **90c**, ½ lb. **$1.75**, 1 lb. **$2.75**. Postpaid

832—McKenzie's Improved Large Red Globe

The Largest of the Red Globe Varieties

Pkt. **10c**, oz. **35c**, ¼ lb. **$1.00**, ½ lb. **$1.85**, 1 lb. **$3.50**. Postpaid

One of the best red varieties in cultivation. The color is a rich red, and the skin has a glossy appearance. The flesh is white, tinged with purple. A good shipping variety and keeps well. Does well in the West.

Large Red Wethersfield

The Popular Red Variety

With the possible exception of Yellow Globe Danvers, this is the most extensively grown variety in the West. It is preferred by many users as the flesh is more pungent than most other varieties. In shape it is of a flattish globular appearance. The outside skin is a beautiful red, while the inside flesh is white tinged with red.

We offer two stocks, our selected strain representing the highest type of this well known onion. The general stock is also good strain, and recommended to those who mainly require small green onions, and are not particular about producing large bulbs.

834—McKenzie's Selected Large Wethersfield

Pkt. **10c**, oz. **35c**, ¼ lb. **$1.00**, ½ lb. **$1.85**, 1 lb. **$3.50**. Postpaid

835—Red Wethersfield (General Stock)

Pkt. **10c**, oz. **30c**, ¼ lb. **90c**, ½ lb. **$1.75**, 1 lb. **$3.25**. Postpaid

836—Australian Brown

The Best Keeper in Cultivation

Pkt. **10c**, oz. **25c**, ¼ lb. **80c**, ½ lb. **$1.50**, 1 lb. **$2.50**. Postpaid

This variety, as its name implies, is of Australian origin, which owing to its sterling qualities, has rapidly jumped into popular favor in the West. It produces medium sized globe-shaped bulbs, the skin is of a distinct brownish color, the flesh is greenish white, crisp and of mild flavor just sufficient pungency to make it attractive either for cooking or eating raw. Will keep in good condition for fully twelve months.

Onion

837—Extra Early Red

A Good Early Market Variety

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.75, 1 lb. $3.25. Postpaid

A very early flat shaped variety of medium size and mild flavor. Color somewhat similar to Wethersfield, more flat in shape and about two weeks earlier.

841—Giant Prizetaker

Splendid Exhibition Variety

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.75, 1 lb. $3.25. Postpaid

One of the largest onions grown, the outside skin is of a pale straw color, beautiful globe shape, flesh white, mild and sweet. For exhibition or show purposes, stands unrivalled. A good cropper, but should be used early. Does not keep so well as Danvers or Australian Brown.

843—Southport White Globe

The Best of the Large Whites

Pkt. 10c, oz. 40c, ¼ lb. $1.25, ½ lb. $2.30, 1 lb. $4.20. Postpaid

Globe shaped, of a beautiful waxy appearance, the skin being very thin and pure paper white color. The flesh is crisp, fine grained, and of snow white color, and unusually mild in flavor. It ships well and is also a good keeper, usually commanding a premium on the market.

833—Superior Golden Globe

A Good All Round Variety

Pkt. 10c, oz. 35c, ¼ lb. $1.00, ½ lb. $1.85, 1 lb. $3.50. Postpaid

Grows to a large size, the bulb being globe shaped of perfect symmetry. The color is a bright golden yellow, the flesh being white and of mild and tender quality. Its large size and fine appearance adapt it admirably for exhibition purposes, while its keeping qualities are such as to make it very popular for home use.

846—Mammoth Silver King

One of the Earliest and Largest White Varieties

Pkt. 10c, oz. 45c, ¼ lb. $1.35, ½ lb. $2.50, 1 lb. $4.50. Postpaid

The bulbs are flat shaped, the skin and flesh are of a pure silvery white color, the flesh being crisp and mild in flavor. Matures very early and grows to a large size. Its earliness and attractive appearance combine to make it a good market variety.

Parsley

Parsley will grow almost like a weed in this Western Country, and there are so many uses to which it can be put that we feel that it should find a place in every garden.

929—Champion Moss Curled

Pkt. 10c, oz. 25c, ¼ lb. 75c. Postpaid

Grows very compact, the leaves being densely curled, which combined with its dark green color, gives it a moss-like appearance. Ideal for garnishing.

930—Extra Triple Curled

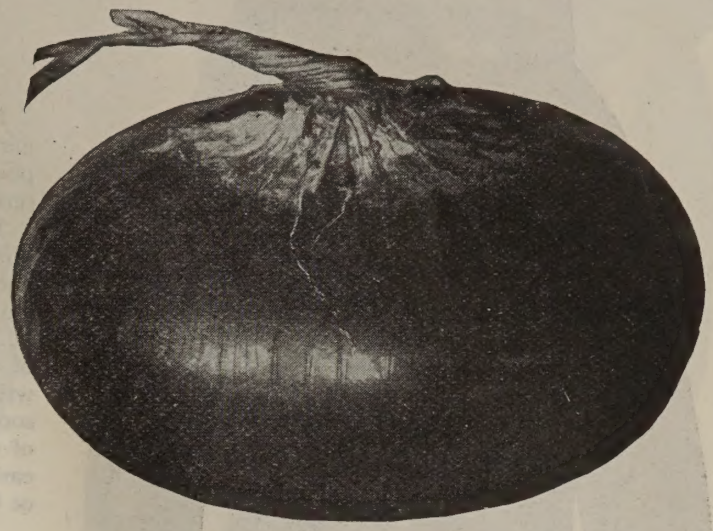
Pkt. 10c, oz. 25c, ¼ lb. 75c. Postpaid

Beautifully curled, free grower. Best for general use.

931—Hamburg or Turnip Rooted

Pkt. 10c, oz. 25c, ¼ lb. 75c. Postpaid

Grown for the roots, which are somewhat similar to Parsnips, only smaller. The flesh is white and the flavor resembles Celeriac. Excellent for flavoring.



EXTRA EARLY RED

845—Southport Yellow Globe

An Excellent Market Variety

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.75, 1 lb., $3.25, Postpaid

Forms a beautiful globe-shaped bulb, average size three to three and one-half inches in diameter. The outside skin is a rich golden yellow, the inside flesh being creamy white, mild, tender and sweet. A good shipping variety and very popular with market growers.

844—Early White Welsh

Pkt. 10c, oz. 45c, ¼ lb. $1.35, ½ lb. $2.50, 1 lb. $4.50. Postpaid

This is a totally distinct variety. Does not produce a bulb, but, being a perennial, may be left in the ground all winter. Invaluable for providing green onions in early spring.

Pickling Varieties

868—White Barletta

Pkt. 10c, oz. 45c, ¼ lb. $1.35, ½ lb. $2.50, 1 lb. $4.50. Postpaid

Very early, handsome shape and color. Very popular for pickling and bunching.

866—White Queen

Pkt. 10c, oz. 45c, ¼ lb. $1.35, ½ lb. $2.50, 1 lb. $4.50. Postpaid

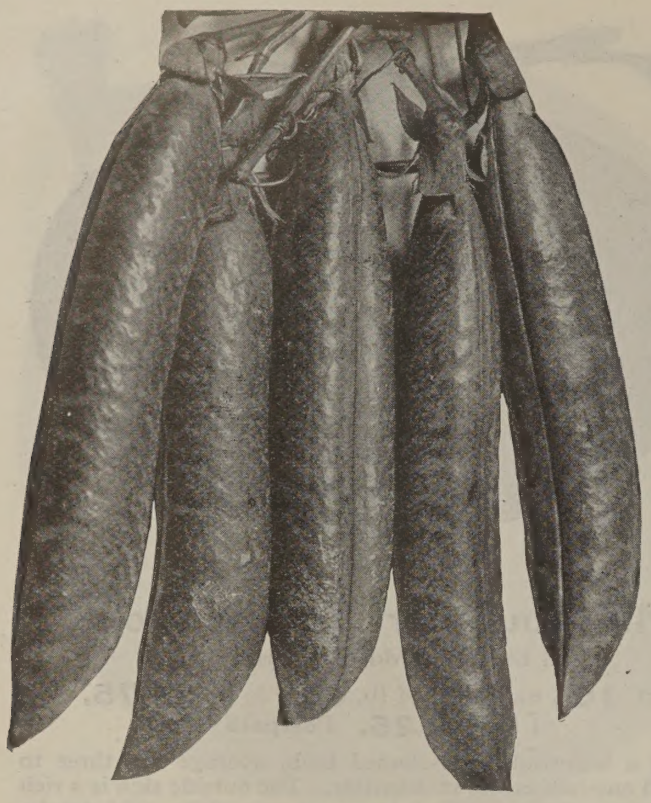
A rapid growing small flat early white variety, ideal for pickling and bunching.

Parsnip

This is a very useful vegetable, unusually hardy, affected by neither early or late frosts, and in consequence may be sown early and need not be harvested until the last. They require a deep soil if the maximum crop is to be obtained. As well as for household use, they can be used to advantage for stockfeeding.

	Postpaid		
	Pkt.	Oz.	¼ lb.
951—MANITOBA PRIZE INTERMEDIATE. Produces heavy roots, short and stumpy. Easily harvested	.10	.25	.65
952—HOLLOW CROWN. Well known standard variety	.10	.20	.60
953—GUERNSEY. A heavy cropper. The best for stock feeding	.10	.20	.60

If you do not locate what you want, refer to index on third page of cover



ELDORADO

Peas

Perhaps one of the most generally appreciated crops produced in the garden. Nearly every body relishes a dish of fresh green peas. Canned peas or dry peas are all very well during the Winter months, but with the return of Summer, we seem to crave something just a little better.

Two mistakes are usually made in sowing peas. First, if too small a quantity is sown, they are finished too quickly. Second, if too many of one variety are sown they become over ripe before they can be used. To properly take care of the needs of the average family, not less than ½ lb. each of 3 or 4 varieties should be sown, beginning with one or other of the smooth or round seeded varieties, these being hardier than the wrinkled sorts may be sown either in the Fall, just before freeze up, or as soon as the snow melts. A second sowing should be made a week later of such varieties as McKenzie's Manifold, American Wonder, or other early dwarf wrinkled sort, and for main crop a week later, sow Stratagem or Champion of England.

First Early Round or Smooth Seeded Varieties

989—Alaska or Earliest of All

Pkt. 10c, ½ lb. 30c, 1 lb. 50c. Postpaid

Blue colored pea of slender habit, hardy and prolific, pods pale colored and small, height 2 feet.

994—Eldorado

Pkt. 10c, ½ lb. 40c, 1 lb. 65c. Postpaid

We are very pleased to have the privilege of introducing this excellent new variety, which we believe will be a decided acquisition. The pod is as large and the quality equal to the well known Laxtonian variety but being round seeded it is much hardier and may be sown earlier. As hardy and early as Pilot, but only grows one foot high, obviating the necessity of rodding. After careful and exhaustive trials, we heartily recommend this excellent variety.

988—First and Best

Pkt. 10c, ½ lb. 30c, 1 lb. 50c. Postpaid

White seeded smooth skin, extra early, the plant is of slender habit. Pods small unusually hardy and fairly productive, height 2½ feet.

Early Wrinkled Varieties

985—Nott's Excelsior

Pkt. 10c, ½ lb. 35c, 1 lb. 55c. Postpaid

Very popular in the West, it seems to stand drought and withstands the ravages of hot drying winds better than most other varieties. A dwarf growing variety, the vines rarely exceeding eighteen inches in length, permitting of close planting in the rows, and obviating the necessity of rodding. The pods average three inches in length, straight with blunt ends, well filled, and are borne heavily on the vines. The quality is good.

MCKENZIE'S MANIFOLD

980—McKenzie's Manifold

Pkt. 10c, ½ lb. 40c, 1 lb. 65c. Postpaid

For many years this has been recognized, as the standard dwarf growing, early wrinkled marrowfat pea for the West. The haulm grows one foot in length, is stout and heavy, stands up well without any support. The foliage and pods are medium green in color. The pods average 3 inches long, are round, straight and blunt ended, usually containing 6 light green peas of excellent quality. Height 12 inches.

983—American Wonder

Pkt. 10c, ½ lb. 35c, 1 lb. 55c. Postpaid

This variety is better known than any other in Western Canada. Its extreme earliness and dwarf habit, coupled with its delicious flavor, combine to make it a very desirable variety to grow, particularly where the labor and expense of staking is not desired. By sowing at intervals of 10 days a supply can be maintained right throughout the season.

991—Little Marvel

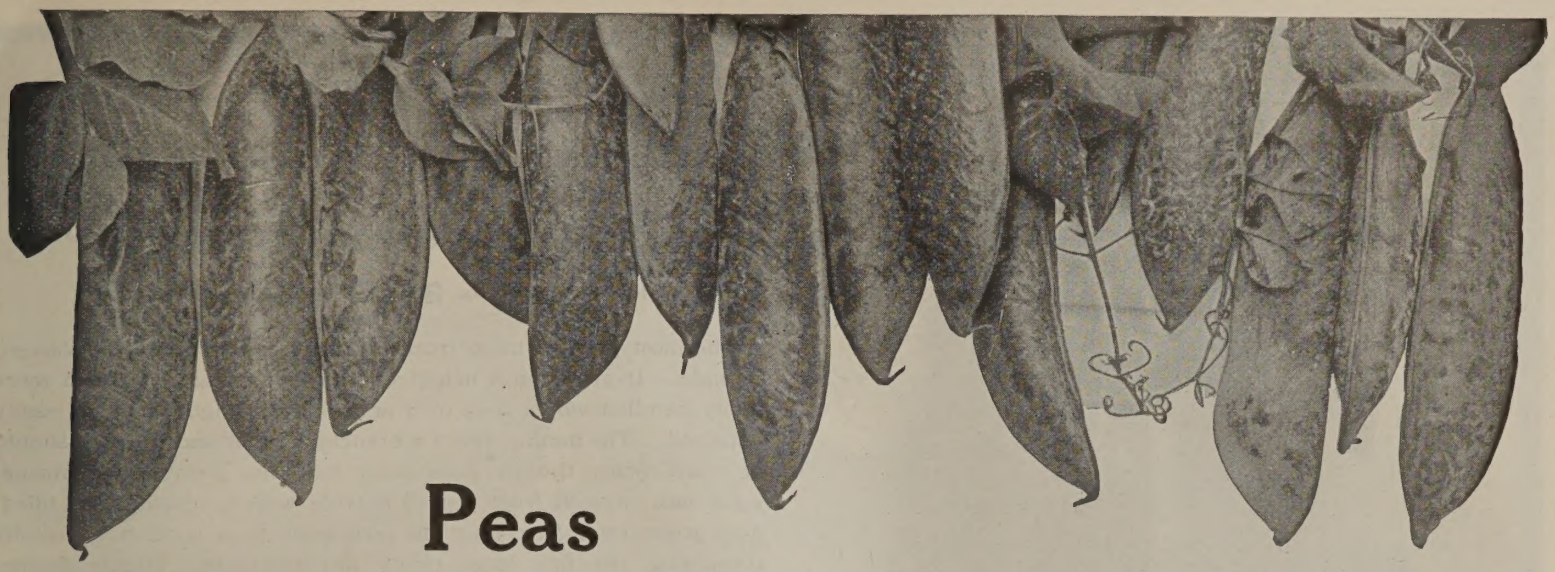
Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

This variety ranks among the newer sorts, having been introduced by us a few years ago. It has well maintained the reputation which induced us to give it a place in our list. Early and dwarf growing, the pods are somewhat larger than Nott's Excelsior or American Wonder. The foliage and pods are very dark green, the pods average 3 inches long, nearly round and square ended, usually containing 7 to 8 dark green peas of high quality.

983—Peter Pan

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

Introduced by us for the first time in 1920 this pea bids fair to become one of the most useful and popular varieties for Western Canada. It is very early, dwarf growing, heavy cropper, good quality, and is we believe, the largest podded early variety in cultivation, the pods are of a dark green color and of handsome appearance. We recommend this variety with every confidence, believing it will measure up to every expectation. Height 15 inches.

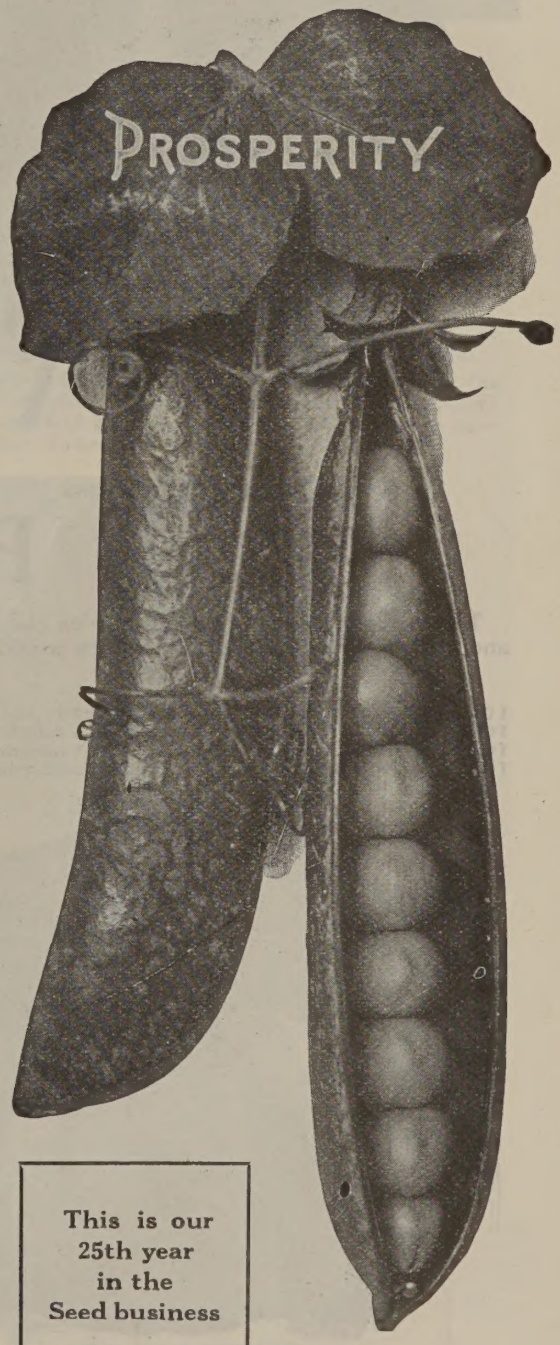


Peas

986—Prosperity or Gradus

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

An old favorite which still retains its popularity. Grows to a height of four feet, and to obtain the utmost crop should be rodded when about six inches high. It is well worth the extra trouble as the resultant crop is away ahead of the dwarf growing varieties. The pods are an attractive dark green color, the quality is excellent, and for an early variety the crop is unusually heavy.



990—Richard Seddon

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

This variety, as the name readily implies, is of Australian origin. It belongs to the early dwarf growing section, and owing to the number of these varieties which we have listed, we decided to discontinue. We found, however, that it had established a reputation as a first class dwarf early, of good quality, and in consequence we have arranged for a supply for distribution this season. It is a Pea of splendid quality, does not grow more than twenty inches high, a heavy yielder, and extremely early.

1020—The Sherwood

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

An early dwarf Pea of exceptional merit, growing about one foot high. It was raised and introduced by one of the oldest and most reliable Pea growers in England. Its most distinguishing feature is its heavy cropping quality, the haulm being literally covered with pods containing eight to ten peas of a rich deep green color, of exquisite flavor. Of vigorous constitution, it succeeds well even under very dry conditions. We recommend this variety to our customers with every confidence.

Main Crop and Late Varieties

1014—Champion of England

Pkt. 10c, ½ lb. 30c, 1 lb. 50c. Postpaid

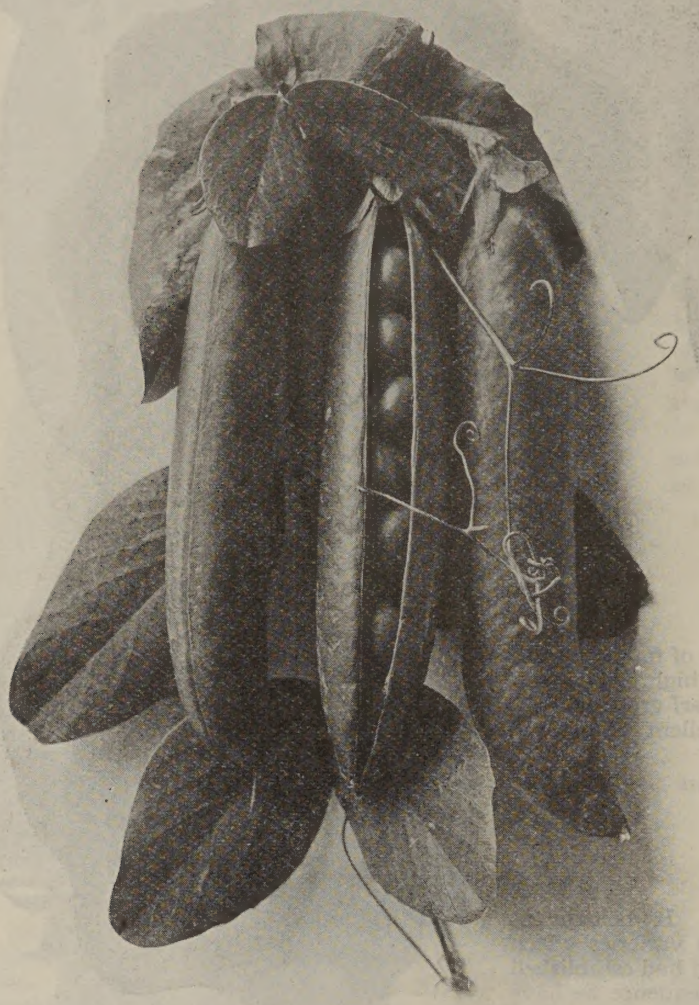
A very popular tall growing variety for Western Canada. Grows to a height of five feet, and to obtain maximum results should be provided with rods about six feet in height. The pods are not large, but are produced in abundance, the vigorous haulm being literally covered from top to bottom. The pods are a pale green color and the peas are of excellent quality and flavor.

1015—Duke of Albany

Pkt. 10c, ½ lb. 30c, 1 lb. 50c. Postpaid

A very large podded, tall growing variety, attaining a height of five feet, and even taller where moisture is abundant. The pods are of a large size and handsome appearance, eminently suited for exhibition. Unlike other large podded varieties, it produces a heavy crop and is an excellent variety either for home or market use.

This is our 25th year in the Seed business



TELEPHONE

Peas

Main and Late Crop Varieties—*Continued*

1009—Improved Stratagem

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

The most popular main crop or second early variety in Western Canada. It grows to a height of two feet, making it much more easily handled where rods of 5 or 6 feet in lengths are not easily obtained. The haulms are of a branching habit and the seed should be sown rather thinner than other varieties, grows with unusual vigor and covered from top to bottom with handsome, well filled, deep green, straight pods. The pods grow to a good size, usually containing ten fine large richly flavored peas. Highly recommended.

1017—Telephone

Pkt. 10c, ½ lb. 35c, 1 lb. 60c. Postpaid

One of the latest varieties offered by us and eminently adapted for prolonging the season. It grows to a height of four feet, produces vigorous haulms, which are densely covered with pods of light green color. A heavy cropper of excellent quality, and matures uniformly, permitting of their being all gathered at one time. Splendid for market use.

Succession Crop

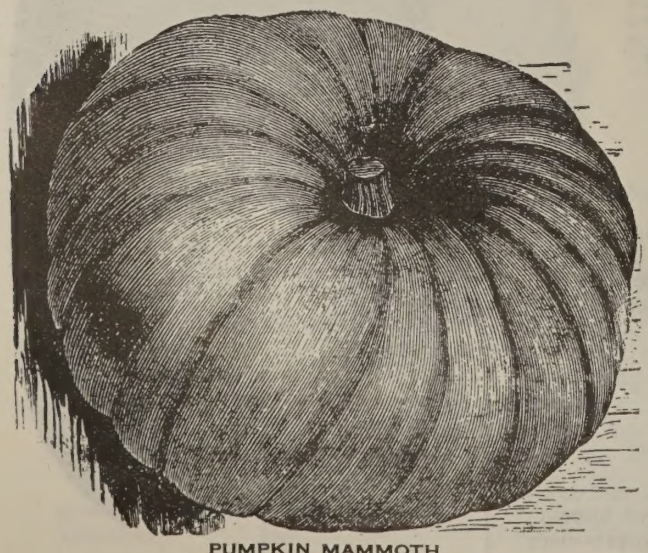
It is very important to order Varieties that will give succession crops. Read introductory paragraph on subject of peas page 22.

Pepper

The varieties of Pepper offered by us can be grown successfully in this Western Country. If their value and usefulness were better known they would be more generally grown.

	Postpaid		
	Pkt.	½ Oz.	1 Oz.
1042—McKENZIE'S ALPHA. Very early and of excellent quality	.10	.70	$1.25
1040—GOLDEN DAWN. Color, bright yellow, mild flavor	.10	$1.00	
1041—LONG RED CAYENNE. Bright scarlet fruits, long slender shape, useful for pickles	.10	1.00	
1039—RUBY KING. Bright red color, mild and sweet, excellent for stuffing	.10	1.00	

LONG RED CAYENNE

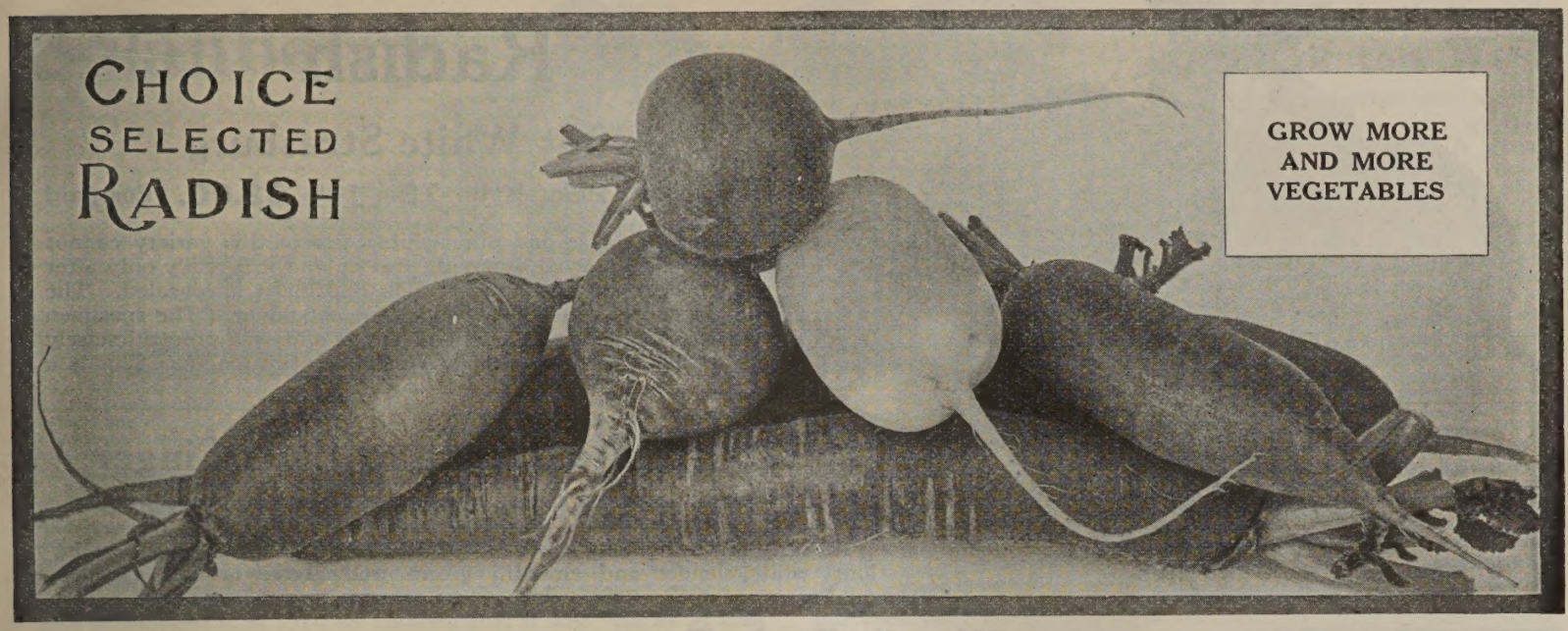


PUMPKIN MAMMOTH

Pumpkin

When one speaks or writes of Pumpkin, one's mind just naturally seems to turn to pie. Everybody loves Pumpkin Pie, but there are many other uses to which this vegetable may be put. Should be grown in every farm garden in the West.

	Postpaid			
	Pkt.	Oz.	¼ lb.	1 lb.
1061—McKENZIE'S LARGE CHEESE. After years of experience we believe this variety to be the best for general use. A robust grower it seems to succeed well everywhere, excellent for canning	.10	.30	.90	$2.75
1063—CONNECTICUT LARGE FIELD. Useful alike for pies and for stock feeding, grows to a large size	.10	.20	.60	2.00
1064—MAMMOTH OR JUMBO. The largest variety in cultivation, the fruit is round and flattened slightly ribbed, skin salmon orange, flesh bright yellow and very thick	.10	.40	$1.25	3.75
1062—SMALL SUGAR. Fruits, small, round, flattened at ends, slightly ribbed, skin and flesh deep orange yellow, flesh very thick, and of high quality	.10	.30	.90	2.75



Radish

Round or Turnip Shaped Varieties

1086—Non Plus Ultra

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

The skin is a beautiful attractive, bright red color, in fact, owing to this particular feature, it is sometimes known as Fireball. The flesh is a fine sparkling white, crisp, fine grained and solid. It is globe shaped. As well as being an ideal variety for ordinary garden use, it is also a splendid forcing variety, and for this reason is very popular with market growers. It is a rapid grower, the tops are small. One of the best for successional sowings.

1084—McKenzie's Rosy Gem

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

An excellent variety both for forcing and general use. The skin is a deep scarlet on the top, blending gradually to white at the bottom, giving it a very pleasing appearance. The quality is all that can be desired.

1091—Saxa (New)

Pkt. 10c, oz. 30c, ¼ lb. 90c, 1 lb. $2.50. Postpaid

We believe this to be the best variety in cultivation for forcing. A beautiful round shape, bright scarlet color and smallest possible tops, combine to make this variety all that can be desired for forcing for market use and we predict for it a speedy rise in popularity.

1087—Early Scarlet Ball or Turnip

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

An old standard variety. One of the best for general use, quick grower, flesh tender and crisp.

1085—Scarlet Globe Forcing

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

Fine globe shape of striking crimson color, grows very small tops and exceptionally rapid. The flesh is crisp and tender, while the flavor is mild and delicious, being of a fine white color it is popular as a market variety.

1088—Early Scarlet Turnip White Tipped

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

Possibly the most valuable testimony we can give in regard to this variety is the fact that we sell annually more of it than all other round or turnip-shaped sorts. It is a very quick grower, being usually ready for the table within 18 or 20 days from the date of sowing. Perfectly globe-shaped, the upper portion being an intense rosy crimson shading to white at the bottom. The flesh is a pleasing white color, while the flavor leaves nothing to be desired.

1089—Early White Globe

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

An old well known variety. Both skin and flesh are a beautiful clear white, while the quality is strictly first class.

Early Olive or Oval-Shaped Varieties

1119—French Breakfast

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

Of oblong or oval shape, beautiful rosy-carmine color with white tip. The flesh is crisp, tender and beautifully white. A rapid grower, useful alike for forcing in frames or sowing outdoors. One of the most popular varieties in Western Canada. Our strain has been carefully selected and is second to none.

1120—Early Scarlet Olive-Shaped

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

Quick grower, color fine bright scarlet with clear white flesh. Useful general purpose variety.

Long-Shaped Varieties

The long-shaped varieties, while later than the foregoing, are valuable as a succession crop. Are excellent quality, give a much heavier yield, and remain longer in fit condition for use.

1121—Chartier

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

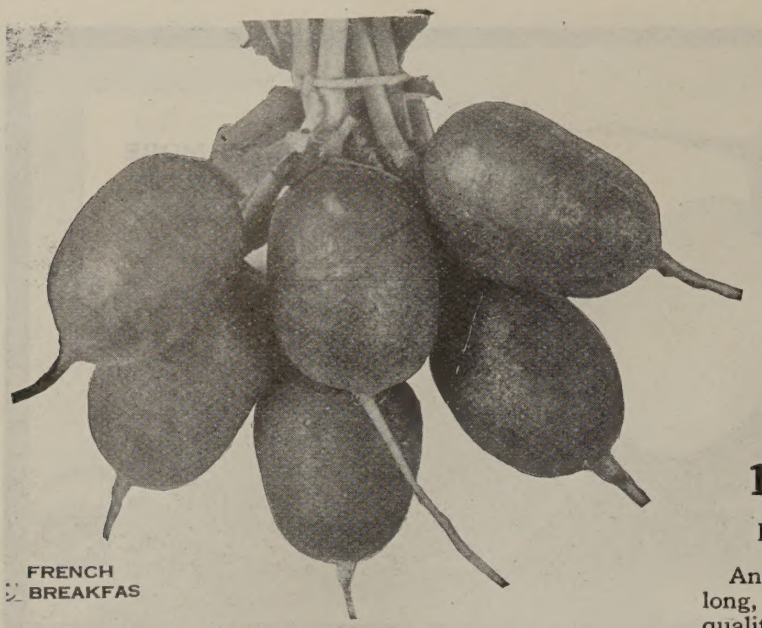
Grows a very handsome root seven to eight inches long, pinkish scarlet at the top, shading to white at the tip. The quality is excellent and it remains fit for use for a long time.

1123—Icicle

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

The earliest long white sort, very popular with growers in the West. Grows about six inches long, a beautiful transparent white. Very crisp and brittle—excellent quality. If you have not tried this before we heartily recommend you to do so.

NON PLUS ULTRA



FRENCH BREAKFAS

Radish

1090—White Strasburg

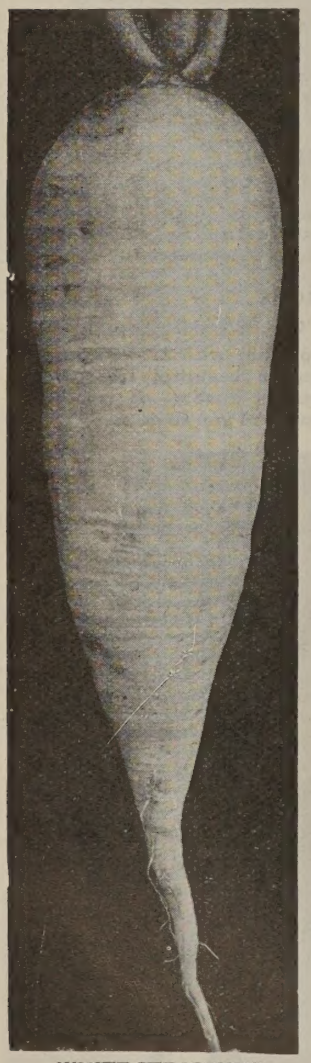
Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

The enormous size and pure white color of this variety cannot be adequately conveyed by an illustration and it is really only after they have been cut in two that their real merit is revealed. The flesh is firm, juicy and of delicious pungent flavor. The specimen illustrated exceeded ten inches in length and was proportionately broad at the shoulder, tapering along its entire length. This is a real table delicacy—try it.

1125—White Vienna or Lady Finger

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

An early maturing, long white variety, the roots are usually 6 to 7 inches long, white, slender and smooth, grows well above ground, excellent quality.



WHITE STRASBURG

1122—Wood's Early Frame

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

The earliest of the long shaped sorts, skin bright scarlet, small tops, useful alike for forcing or general use, tender, crisp and delicate flavor.

Fall or Winter Varieties

1147—Black Spanish Long

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

The usefulness of this variety only needs to be better known, to be more appreciated and much more extensively grown, the roots grow 8 to 9 inches long, 2 to 3 inches in diameter. The skin is nearly black in color, but the flesh is white. One of the best varieties for Winter keeping.

1149—Black Spanish Round

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

Similar in every respect to the long variety except the shape of the root which is a roundish oval.

1145—Scarlet China (China Rose)

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

A very useful Winter variety, the roots are cylindrical, stump rooted, the skin is a deep rose color, smooth and bright, the flesh is white, crisp and pungent, the roots usually grow 4 to 5 inches long and 2 inches thick. Keeps in good condition right through the Winter.

1146—California Mammoth

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

The largest growing Winter variety, attaining a length of 10 to 12 inches and 3 to 4 inches in diameter at the shoulder, tapering regularly to the tip, the flesh is crisp, firm and decidedly pungent.

LONG WHITE ICICLE

1148—White Chinese or Celestial

Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

The roots grow 6 to 8 inches long, thick, cylindrical and smooth, the skin and flesh are pure white. It is not so pungent as the other Winter varieties and for this reason is preferred by many.

1167—Family Radish Mixture

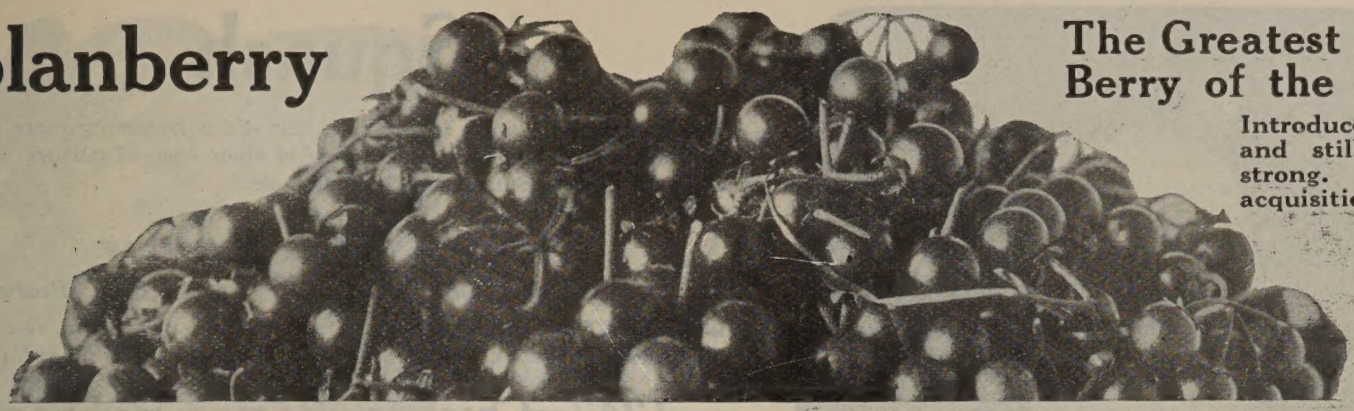
Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. $2.00. Postpaid

This is a mixture of the round oval and long shaped varieties, and for small gardens is really the most economical way to sow, as not only is a large assortment available, but owing to the mixture containing early, medium and late varieties, a succession is maintained.

LONG BLACK SPANISH

Radishes are a delightful addition to the table, especially if they are fresh gathered, crisp and tender. A few cents worth of seed, if judiciously sown, will keep you supplied all Summer long.

Solanberry



The Greatest Fruit Berry of the West

Introduced in 1916 and still going strong. A great acquisition.

1555—The Solanberry Pkt. 15c

No single vegetable we have ever introduced has enjoyed such widespread popularity as the Solanberry, this of course is explained not only by the value of the plant itself, but because in Western Canada there are large areas on the prairies where few other berries are grown with any degree of success, and certainly none with so little trouble and expense as the Solanberry. When we first introduced it in 1916 we claimed that it was "hardy as iron" and "as sure as death and taxes" and this verdict is endorsed by thousands who have tried it. The first ripe fruits are usually ready about the middle of August, and the plants will continue to bear luscious ripe fruits until the end of October. Frosts which completely destroy Corn, Beans and Tomatoes have no appreciable effect upon the Solanberry. The fruit can be adapted to a variety of uses, in fact we hear, from time to time, of new uses to which it has been put. It is used very generally for cakes, custard, fruit sauces, jam, jelly, marmalade, pies, pickles, spices, etc.

Spinach

A welcome addition to the greens for the table; must be supplied with lots of water, otherwise they soon run to seed

1217—Curled-leaved Savoy or Bloomsdale

Pkt. 10c, oz. 15c, ¼ lb. 35c. Postpaid

The plant is of upright growth, the leaves are of medium size, the lower ones rounded while the upper leaves become pointed, the color is a glossy medium green, the leaves are crumpled and blistered like a Savoy Cabbage.

1218—Long Standing Round Seeded

Pkt. 10c, oz. 15c, ¼ lb. 35c. Postpaid

Not such a rapid grower as the preceding, but remains longer fit for use, not being so liable to run to seed. The plant grows to a large size, the leaves are arrow-shaped, nearly smooth and of a dark green color.

1219—Victoria

Pkt. 10c, oz. 15c, ¼ lb. 35c. Postpaid

Grows very dwarf, in appearance like a flat rosette. Leaves are very large, thick and much wrinkled, dark green in color. Stands hot weather well, and is slow to run to seed

Rhubarb

In Western Canada Rhubarb can be raised very easily and quickly from seed, and in view of its ease of culture combined with its health-giving value, and the variety of uses to which it can be put, it should be much more extensively grown.

1187—Victoria

Pkt. 10c, oz. 50c, ¼ lb. $1.50. Postpaid

One of the best varieties for the West, the stalks grow to a large size, beautiful red color, excellent quality.

VICTORIA RHUBARB

Salsify or Vegetable Oyster

The value of the roots, as an addition to soups and stew is not half appreciated otherwise it would be much more extensively grown.

1197—Mammoth Sandwich Island

Pkt. 10c, oz. 40c, ¼ lb. $1.25. Postpaid

Grows to a large size, pure white color, splendid flavor.

Orders are filled promptly

SPINACH

LONG WHITE VEGETABLE MARROW

Squash

The growing of Squash in Western Canada is becoming more popular; this is not to be wondered at in view of their ease of culture and their usefulness both for Summer and Winter use.

1244—Boston Marrow

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

Large oval fruit, shell bright orange, flesh yellow and firm, fine grained and excellent quality, considered one of the best for canning and pies.

1247—Chicago Warted Hubbard

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

Dark green color, heavily warted, the flesh is of a delicate sweetness, an excellent keeper. One of the most popular varieties in the West.

1237—Early Orange Marrow

Pkt. 10c, oz. 35c, ¼ lb. $1.00, ½ lb. $1.65. Postpaid

The earliest of the Marrow Squashes, growing to a fair size, the color is a bright orange red. Exceptionally good keeper, being frequently kept right into the following Summer. We recommend this as being the best variety for the West.

1240—Early Yellow Bush Scallop

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

Very early summer squash, fruit flattened and scalloped, comparatively smooth on the surface and creamy white in color, a very useful variety.

1241—Early White Bush Scallop

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

Similar to Early Yellow, but with a creamy white skin.

1245—Fordhook

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

A small oblong variety, excellent for either summer or winter use, the fruits grow from 8 to 10 inches long, skin is smooth, thin and yellow, the flesh is thick, straw colored, extremely dry and sweet. A very useful variety.

1242—Giant Summer Crookneck

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

The largest growing and one of the earliest summer varieties, deep orange color, first rate quality.

1246—Golden Hubbard

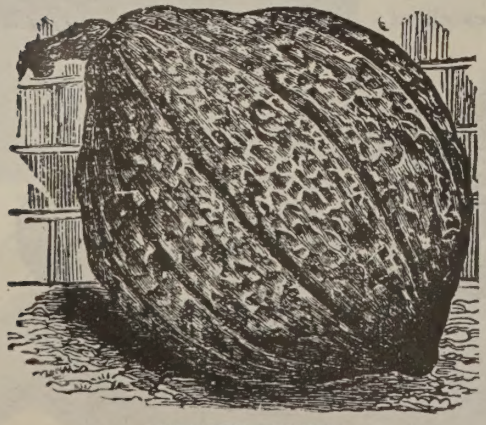
Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

A very early variety, the earliest of the Hubbard type, the shell is slightly warted, hard, strong and of a rich orange red color, the flesh is of a deep orange, cooks very dry and of excellent quality.

1248—Hubbard

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

We believe this to be the best winter cooking variety in cultivation. The shell is a dark bronze green, the flesh is a bright orange yellow, fine grained, thick and dry.



HUBBARD SQUASH

1243—Perfect Gem

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.50. Postpaid

A small round variety, growing from 4 to 6 inches in diameter, the skin is a creamy white, while the flesh is white, fruits produced very prolifically.

1268—Vegetable Marrow, English Long White (Bush)

Pkt. 10c, oz. 30c, ¼ lb. 90c, ½ lb. $1.60. Postpaid

This is an English variety, and is quite distinct in both growth and formation of the fruit. The fruits are oblong in shape, and creamy white in color. Its cooking qualities are excellent, it is a consistent and abundant cropper and bids fair to become very popular.

Tobacco

1325—Connecticut Seed Leaf

Pkt. 10c, ½ oz. 60c, 1 oz. $1.00. Postpaid

A popular variety, both for commercial and home use.

ALACRITY

Tomato

The growing of Tomatoes in Western Canada is gaining by leaps and bounds. The early ripening varieties, which are now obtainable, render it easy to have a fair crop of ripe fruit, and those which are not ripe may be gathered green and ripened indoors, or pickled in the green state.

1298—McKenzie's First of All

Pkt. 10c, ½ oz. 45c, oz. 75c, ¼ lb. $2.50. Postpaid

This variety is aptly named, as it is one of the earliest to produce ripe fruits. Not only is it extremely early, it is also a heavy cropper and of excellent quality, producing large clusters of smooth skinned, well shaped, medium size fruits.

1306—Alacrity

Pkt. 10c, ½ oz. 40c, oz. 60c, ¼ lb. $1.75. Postpaid

This variety is the result of a selection made at the Central Experimental Station, Ottawa, so that from first to last it is distinctly a Canadian variety. It is now five years since we first introduced it, and after a fair trial all over the West during these years, it has demonstrated its superiority in many districts. Being early, a good cropper and first rate quality, it bids fair to become a most popular sort.

1299—Chalk's Early Jewel

Pkt. 10c, ½ oz. 40c, oz. 60c, ¼ lb. $1.75. Postpaid

About ten days later than "First of All," but a heavier cropper and recommended for succession. The fruit is uniformly smooth, round and solid, color crimson, an "A1" variety for canning.

1301—Early Atlantic or Ruby

Pkt. 10c, ½ oz. 40c, oz. 60c, ¼ lb. $1.75. Postpaid

By many this is considered to be the best variety for the West, and we recommend it to those who have tried other varieties and have not been satisfied. Early, good cropper, and excellent quality it possesses all the characteristics necessary for success in the West. Useful alike for home or market garden use.

1300—Spark's Earliana

Pkt. 10c, ½ oz. 40c, oz. 60c, ¼ lb. $1.75. Postpaid

This is, perhaps, the most widely used variety in cultivation. Wherever Tomatoes are grown it occupies a leading place for general use. It is the earliest variety in cultivation, and very productive, considering its earliness. The fruit is medium size, very smooth and solid, produced in clusters in the centre of the plant, the color is bright scarlet. Our stock of this variety has been carefully selected and is an unrivalled strain.

1307—The Pierce Albino

Pkt. 30c, each. Postpaid

This interesting introduction has proved to be very popular wherever grown last season. It is as early, as easily grown, and as heavy a cropper as any of the red varieties. Its beautiful white skin and flesh render it quite unique and attractive, while its freedom from acid enables many to enjoy Tomatoes, who were unable to do so owing to the acidity of the red varieties.

Small Fruited Varieties

1305—Strawberry or Ground Cherry

Golden Husk

Pkt. 10c, ½ oz. 60c, oz. $1.00. Postpaid

Very easily grown, hardier than the ordinary type. The fruits are enclosed in a husk or calyx. They grow a small sized fruit about one inch in diameter, and are very sweet. For preserves they are much appreciated, and they also make delicious pies.

1302—Red Cherry

Pkt. 10c, ½ oz. 60c, oz. $1.00. Postpaid

A small growing, early variety, fruits about the size of a cherry, very useful for preserves.

1304—Red Pear Shaped

Pkt. 10c, ½ oz. 60c, oz. $1.00. Postpaid

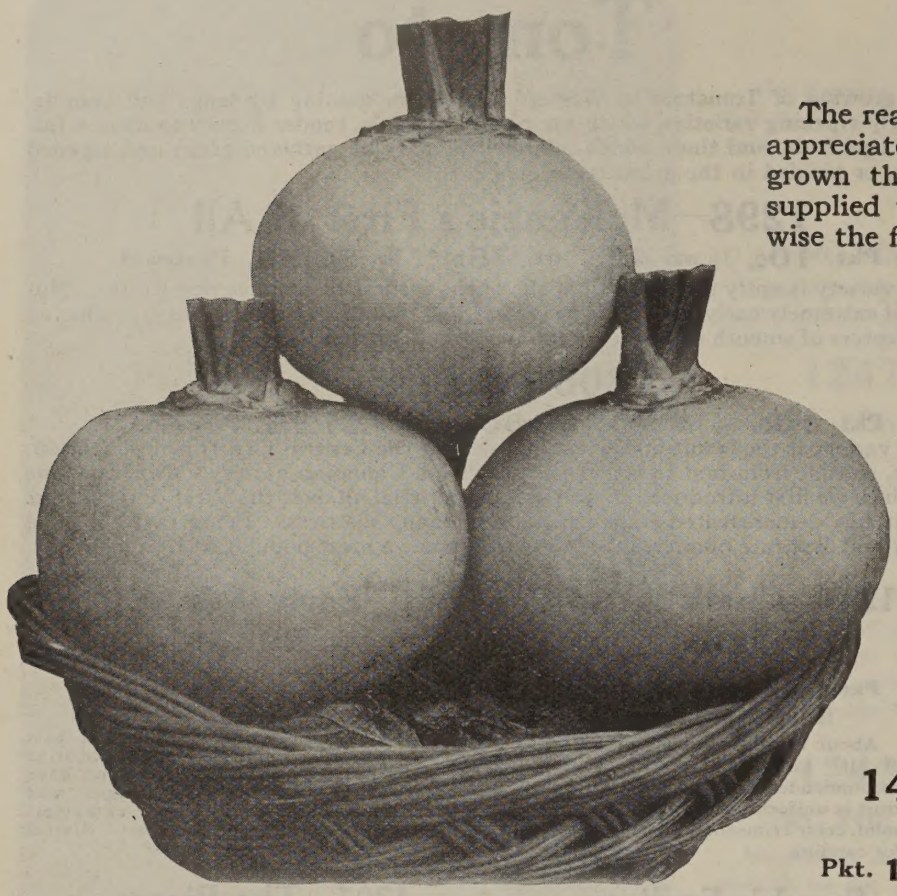
The fruit is bright red, perfect pear shape, very thin skin excellent flavor, ideal for preserves.

1303—Yellow Plum

Pkt. 10c, ½ oz. 60c, oz. $1.00. Postpaid

The average size of the fruits is 2 inches in length and one inch in diameter, the color is a bright lemon, useful for preserving.

MCKENZIE'S FIRST OF ALL



SNOWBALL TURNIP

Turnip

The real value of small garden Turnips is not sufficiently appreciated, otherwise they would be more extensively grown than they are. They should, of course, be well supplied with moisture during the growing period, otherwise the flesh may become somewhat stringy.

1335—Early Snowball White Stone

Pkt. 10c, oz. 20c, ¼ lb. 50c, ½ lb. 85c, 1 lb. $1.50. Postpaid

Globe-shaped, pure white, solid flesh, of superior flavor. A distinct and beautiful turnip of remarkably quick growth.

1337—Extra Early Purple Top Milan

Pkt. 10c, oz. 20c, ¼ lb. 65c, ½ lb. $1.20, 1 lb. $2.20. Postpaid

Flat-shaped turnip, purple top, shading to white at the bottom. Flesh is white, tender and smooth grained, the earliest turnip in cultivation. An ideal variety for early market use.

1471—Swede Breadstone Green Top

Pkt. 10c, oz. 15c, ¼ lb. 30c, ½ lb. 55c, 1 lb. $1.00. Postpaid

Very popular for table use, does not grow too large, but is an excellent keeper.

1336—Golden Ball or Orange Jelly

Pkt. 10c, oz. 20c, ¼ lb. 50c, ½ lb. 85c, 1 lb. $1.50. Postpaid

Not so early as Snowball or Milan, but comes in immediately after, and is valuable for succession. Beautiful round shape of medium size, skin and flesh golden yellow, nicely flavored.

1468—Swede McKenzie's North-Western Purple Top

Pkt. 10c, oz. 15c, ¼ lb. 30c, ½ lb. 55c, 1 lb. $1.00. Postpaid

Much in demand for table use, grows to a large size, excellent quality. We heartily recommend.

1338—Purple Top White Globe

Pkt. 10c, oz. 20c, ¼ lb. 50c, ½ lb. 85c, 1 lb. $1.50. Postpaid

A perfect globe-shaped variety, medium, early, good cropper, excellent quality. Keeps well, and in good condition.

Seeds to produce satisfactory crops of vegetables in the Western Provinces must possess characteristics adapted to the soil and climatic conditions of the west.

Sweet, Medicinal and Pot Herbs

It is certainly worth the trouble and expense to devote a small portion of the vegetable garden to the growing of Herbs, which are so useful for domestic purposes, and many of them also possess considerable medicinal value.

	Postpaid Pkt.	Oz.
1357—ANISE. Grown for the seeds, which are aromatic and carminative	.10	.35
1358—BALM. Used for making tea	.10	.55
1359—BORAGE. Leaves used as a salad, and for flavoring, the flowers are excellent for bees	.10	.90
1360—CARAWAY. Seeds are used for flavoring	.10	.25
1362—DILL. Used for pickles and flavoring soups	.10	.35
1363—FENNELL SWEET. The leaves when boiled are used in sauces	.10	.50
1364—HOREHOUND. The leaves are used for flavoring, and the making of cough medicines	.10	.90
1365—HYSSOP. The tops and flowers are used for tea	.10	.50
1366—LAVENDER. Much esteemed as a perfume	.10	$1.10
1367—POT MARIGOLD. The dried flowers are used for seasoning soups	.10	.60
1368—ROSEMARY. The leaves, which are aromatic are used for seasoning	.10	$1.25
1369—RUE. Useful for medicinal purposes, valuable for treating poultry suffering from roup	.10	.90
1370—SAGE. Very useful for seasoning	.10	$1.10
1371—SUMMER SAVORY. Useful for flavoring	.10	$1.10
1372—SWEET MARJORAM. Useful for flavoring	.10	$1.10
1373—THYME. Useful for seasoning	.10	$1.10
1374—WORMWOOD. Should be sown where it can be eaten now and then by poultry, very beneficial	.10	$1.10

Tree, Shrub and Fruit Seeds

Seeds for Trees, Shrubs and Fruits grow readily in the Canadian West, therefore it is somewhat surprising that they have not received greater attention—which they undoubtedly deserve. A well-trimmed hedge and a few suitable shrubs add much that is desirable to the garden. The seeds offered here, being mostly native grown, are acclimatized.

Elms and Birch are better sown as soon as the seed is ripe, for they are apt to lose their vitality quickly. Orders for these will be booked for delivery in June. BOX ELDER or MANITOBA MAPLE will yield about 2,500 plants from one pound of seed. CARAGANA will yield about 2,750 plants from one pound of seed. MANITOBA WHITE ASH will yield about 3,500 plants from one pound of seed. LARCH, BALSAM FIR, SPRUCE AND PINES, one pound of seed is sufficient for 100 square feet of surface.

1400—BALSAM FIR (Abies balsamea). An ornamental evergreen tree, very hardy. Sow seed in the spring in prepared beds and in rows 6 inches apart; cover with a light layer of sand and allow them to remain in the beds for two years before transplanting. **Pkt. 15c. oz. 50c. ¼ lb. $1.60. ½ lb. $3.00. Postpaid.**

1403—BOX ELDER OR MANITOBA SOFT MAPLE (Acer negundo). When not too crowded will form beautiful groups in the garden. Requires a somewhat sheltered position. Easily raised from seed sown in Spring or Fall. **Pkt. 10c. oz. 20c. ¼ lb. 50c. ½ lb. 85c. 1 lb. $1.50. Postpaid.**

1404—BUCKTHORN (Rhamnus frangula). Also known as the Berry-Bearing Alder. Suitable for hedges and will thrive in any good garden soil. Seed may be sown as soon as ripe or in Spring in cold frames. **Pkt. 10c. oz. 30c. ¼ lb. 95c. ½ lb. $1.75. Postpaid.**

CARAGANA. See Siberian Pea-tree.

1405—COTTONWOOD (Populus deltoides). Recommended particularly for the Canadian West on account of its rapid growth. Is very ornamental and attractive when planted in rows or avenues. Thrives on most soils. **Pkt. 10c. oz. 30c. ¼ lb. 85c. ½ lb. $1.50. Postpaid.**

1406—DOGWOOD (Cornus stolonifera). Very ornamental, flowers white followed by white berries. Prefers moist situation. Sow seed in fall, pricking out seedlings in the following Spring. **Pkt. 10c. oz. 30c. ¼ lb. 85c. ½ lb. $1.50. Postpaid.**

1407—GINNALIAN MAPLE (Acer tataricum). Very ornamental, same cultural directions as for Box Elder. **Pkt. 10c. oz. 50c. ¼ lb. $1.75. ½ lb. $3.00. Postpaid.**

1408—LARCH OR TAMARACK (Larix laracina). Cultivation the same as for Balsam Fir. **Pkt. 25c. oz. $1.00. Postpaid.**

1409—LILAC (Syringa vulgaris). Very attractive and early flowering. Thrives in almost any soil. **Pkt. 10c. oz. 40c. ¼ lb. $1.10. ½ lb $1.85. 1 lb. $3.35. Postpaid.**

1410—GREEN ASH (Fraxinus veridis). Seed should be sown in the Spring in beds of good sandy loam and allowed to remain two seasons before transplanting in rows 6 inches apart, placing the seedlings 18 inches apart in the rows. **Pkt. 10c. oz. 20c. ¼ lb. 60c. ½ lb. $1.00. 1 lb. $1.75. Postpaid.**

A Few Scenes in Brandon

Brandon has been described as the City Beautiful of the West. The above pictures bear striking evidence of the truth of this statement, and also demonstrate the attractiveness of a few trees and a hedge round a house, transforming it into a desirable home.

1411—MANITOBA NATIVE PLUM (Prunus niger). Sow seed as soon as ripe in a sheltered position. Thrives in any good garden soil. Very attractive and suitable for shrubberies, avenues, etc. **Pkt. 10c. oz. 30c. ¼ lb. $1.00. ½ lb. $1.75. 1 lb. $3.25. Postpaid.**

1412—MANITOBA WHITE ASH (Fraxinus Americana). Easily distinguished by the lighter, brownish-grey bark and pale green leaves. Same culture as Green Ash. **Pkt. 10c. oz. 30c. ¼ lb. 95c. ½ lb. $1.75. Postpaid.**

1413—MANITOBA WHITE ELM (Ulmus Americana). Very ornamental, prefers a mellow, loamy soil. Sow seed as soon as ripe in the Spring. **Pkt. 10c. oz. 30c. ¼ lb. 95c. ½ lb. $1.75. Postpaid.**

1414—MOUNTAIN ASH (Sorbus Americana). Flowers white, followed by large bunches of bright red berries. Very attractive and ornamental. Sow seed as soon as ripe in prepared beds in the open. **Pkt. 10c. oz. 40c. ¼ lb. $1.35. ½ lb. 2.50. Postpaid.**

1415—RUSSIAN OLIVE (Eloeaganus angustifolia). Also known as Jerusalem Willow. An ornamental shrub frequently covered with silvery scales. Sow seed in Spring. **Pkt. 10c. oz. 40c. ¼ lb. $1.35. ½ lb. $2.50. Postpaid.**

1416—SCOTCH PINE (Pinus sylvestris). Same culture as Balsam Fir. **Pkt. 10c. oz. 50c. ¼ lb. $1.80. ½ lb. $3.25. Postpaid.**

1417—SIBERIAN PEA TREE (Caragana arborescens). Suitable for hedges and shrubberies and will flourish on poor soils. Seed may be sown as soon as ripe or in early Spring. **Pkt. 10c. oz. 25c. ¼ lb. 80c. ½ lb. $1.50. 1 lb. $2.75. Postpaid.**

1418—SPRUCE, BLACK (Picea nigra). Suitable for pleasure grounds, parks, etc., and adapted to dry, rocky soils. For sowing see Balsam Fir. **Pkt. 25c. oz. 75c. ¼ lb. $2.75. Postpaid.**

1419—SPRUCE, NORWAY (Picea excelsa). A very attractive species suitable for parks and pleasure. **Pkt. 10c. oz. 60c. ¼ lb. $2.00. Postpaid.**

1420—SPRUCE, WHITE (Picea alba). Of attractive appearance, suitable for parks, pleasure grounds, etc. For sowing see Balsam Fir. **Pkt. 20c. oz. 75c. ¼ lb. $2.50. ½ lb. $5.00. Postpaid.**

1421—TARTARIAN HONEYSUCKLE (Lonicera tartarica). Flowers pink to red and white. Fruits red. Sow seed in Spring in cold frame and transplant when large enough in rich loamy soil. Red or white. **Pkt. 10c. oz. 50c. ¼ lb. $1.60. ½ lb. $2.60. Postpaid.**

1422—WHITE BIRCH (Betula alba). Trees are decidedly graceful and attractive. Sow seed in spring in beds of sandy loam and transplant following year. **Pkt. 10c. oz. 45c. ¼ lb. $1.40. ½ lb. $2.25. Postpaid.**

In a few years you can make a wonderful improvement around your home by planting tree seeds.
The cost is only trifling.

Mangel

Mangels can be grown anywhere in Western Canada, even on Alkali soils, where little else can be grown. There feeding value has not been fully appreciated by many stock raisers, otherwise they would be grown on every farm where stock are being raised. They are much relished by all kinds of stock. Stand more heat and drought than Turnip or Rutabaga. Four pounds of Mangel is equal to one pound of grain barley. Mangels are better for young growing animals, as they contain less fat-forming elements and more frame and tissue elements which are essential in raising strong healthy animals.

1441—McKenzie's Eclipse

¼ lb. **30c**, ½ lb. **45c**, 1 lb. **80c**. Postpaid

We feel that we cannot speak too highly of this excellent Mangel. It is of a tankard shape, growing well out of the ground, so that it is comparatively easily harvested. The roots are of a deep orange color, the flesh is of excellent quality, and as a cropper it is without a peer.

1442—McKenzie's Manitoba Giant Yellow

¼ lb. **30c**, ½ lb. **45c**, 1 lb. **80c**. Postpaid

This is a selection from the Intermediate or Gatepost type, produces enormously heavy roots, growing about two-thirds out of the ground, rendering harvesting easy. The skin is a rich golden yellow, the flesh is white, firm and sweet in flavor and highly esteemed for its feeding qualities. The stock has been bred and selected, so as to produce the highest possible food value. A splendid variety for all round use.

1443—Giant Long Red

¼ lb. **25c**, ½ lb. **40c**, 1 lb. **75c**. Postpaid

The Long Red Mangel is quite distinct from all other sorts, it grows larger, producing a much heavier weight per acre. Our strain has been very carefully selected with a view to producing well shaped, broad shouldered roots free from coarseness, with small tops. It is exceedingly popular with stock raisers throughout the West. We recommend very highly, believing it will measure up to every expectation.

PRIZETAKER YELLOW GLOBE

You will be surprised at the amount of feeding value produced from seeding 50c to $1.00 worth of Roots Seeds.

MANITOBA GIANT YELLOW

1440—McKenzie's Peerless

¼ lb. **35c**, ½ lb. **50c**, 1 lb. **90c**. Postpaid

This variety is also of the Intermediate type, does not grow quite so large as Manitoba Giant and may be planted closer in the rows. The roots contain a higher percentage of dry feeding matter than almost any other variety. Grows well above the ground, easily harvested. Keeps well, and is much relished by all kinds of stock.

1447—Giant Yellow Globe

¼ lb. **25c**, ½ lb. **40c**, 1 lb. **75c**. Postpaid

Flattish globe shaped type, golden yellow color, flesh, white and crisp. A heavy cropper, excellent quality, good keeper.

1448—Prizetaker Yellow Globe

¼ lb. **25c**, ½ lb. **40c**, 1 lb. **75c**. Postpaid

Our strain of this well known variety is unexcelled, it is a heavy cropper, unusually fine quality, wholesome and nutritious. Grows well above ground, easily harvested, the skin is a fine golden yellow color, the flesh a sparkling white, crisp and sweet. One of the best all round varieties for the West.

Mangel

1444—Selected Golden Tankard

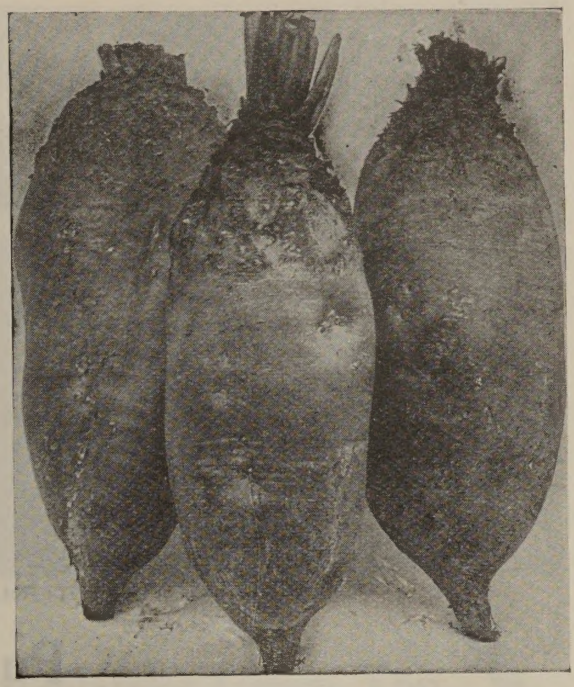
¼ lb. **25c,** ½ lb. **40c,** 1 lb. **75c.** Postpaid

Nature endowed this Mangel with a tankard shape, evidently so that they could be grown closely together, produce unusually heavy crops, and be easily harvested. The color of the rind is a deep reddish orange, and the flesh is yellow. Our stock has been selected and reselected for years, and has been so improved as to have scarcely any thing in common with the ordinary types of this variety. Rich in saccharine it has no rival for feeding value. Much relished by stock. Keeps well throughout the Winter.

1445—Yellow Intermediate or Gatepost

¼ lb. **25c,** ½ lb. **40c,** 1 lb. **75c.** Postpaid

To name this variety Gatepost was an apt description, as it certainly grows up out of the ground a large and shapely root. The name Intermediate is applied to indicate the shape of this variety, on account of its being somewhat between the Globe and the Tankard varieties. The color of the skin is a rich golden yellow while the flesh is a creamy sparkling white. We believe this variety is more generally used in Western Canada than any other, and its popularity is thoroughly deserved, as it is a heavy cropper, excellent quality, easily harvested, a good keeper and much relished by stock.



SELECTED GOLDEN TANKARD

Mangel and Sugar Beet

Of all root crops Sugar Beets and Mangels are the most relished by all kinds of farm animals, and they head the list not only on account of their large yields but also for their qualities. They are more juicy, contain more sugar and are the most profitable crop to raise. They also stand more heat and drought than Turnips and Rutabagas. From 20 to 30 pounds of these roots can be fed daily to a mature cow, while a calf will consume from 10 pounds downward according to age. Sheep should be fed 2 to 4 pounds daily. Mangels are heavier croppers than Sugar Beets, but less rich in sugar; some large varieties of Sugar Beets are almost as productive, but could not be used for sugar factories as they contain only 10 to 12 per cent of sugar, while other varieties average 15 to 18 per cent. These large varieties grow partly out of the ground and consequently are much easier to harvest.

Sugar Beet or Half Sugar Mangel

Two Great Sugar Beets for Stock Feeding

1429—McKenzie's Giant

(Rose)

¼ lb. **25c,** ½ lb. **40c,** 1 lb. **75c.** Postpaid

The merits of this well known Sugar Beet are fully appreciated by those who have used it, and their number is increasing year by year. It grows to a fair size, produces a heavy yield per acre and growing well out of the ground is easily harvested. Its most salient feature, however, is its high feeding value, having been bred and selected for years with a view to improving this feature. We feel that we cannot too strongly recommend this excellent variety for dairymen, and in fact to all interested in stock feeding, it is unsurpassed.

1430—McKenzie's Monarch

(White)

¼ lb. **25c,** ½ lb. **40c,** 1 lb. **75c.** Postpaid

This variety is in many respects the counterpart of Giant. It is quite distinct in appearance being white skinned with a greenish top. Some have a preference for this variety, and others declare it gives better results than the Giant. Our advice, to those who are just starting, is to try out a quantity of each, and see which you like best; our own opinion is that they are both equally good.

Sugar Beet for Sugar Production

1432—Klein Wanzleben

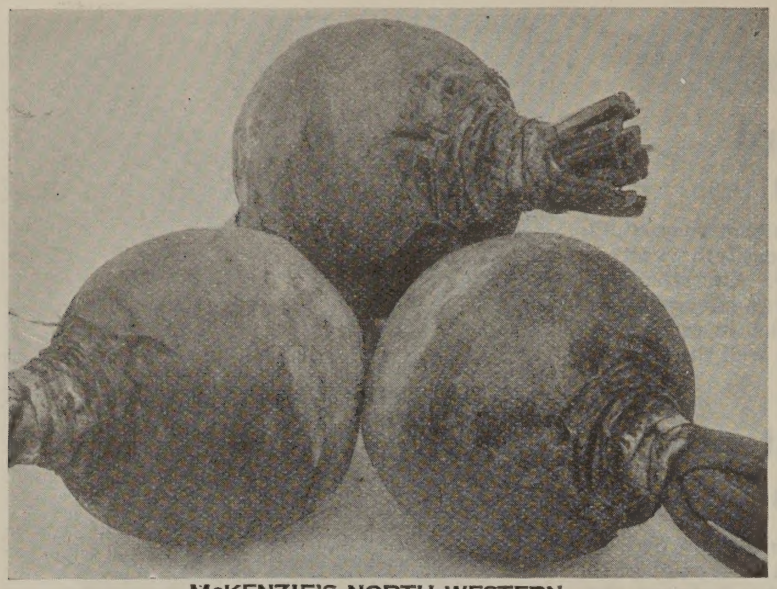
¼ lb. **35c,** ½ lb. **60c,** 1 lb. **$1.00.** Postpaid

This variety is not suited for stock feeding, but is one of the best for the manufacture of sugar. Our sales of this variety have increased twenty fold, no doubt owing to the high cost and extreme shortage of sugar. It can be grown successfully anywhere in the West and will respond to the same treatment as practiced in growing the stock feeding varieties. The Department of Agriculture, Ottawa, has published a pamphlet giving simple instructions on how to make sugar from this root, and will supply same free on request.

B

A Succulent Winter Feed for all Live Stock

Many are under the impression that Sugar Beet and Mangel are synonymous; but such is not the case. Sugar Beet differs from the ordinary varieties of Mangel, being much sweeter and more nutritious. The yield, however, is somewhat lighter; but many claim that what the beet loses in yield it easily make up in saccharine (Sugar). The seed resembles that of Mangel and the method of cultivation is the same. The percentage of sugar is a variable quantity, some stocks giving as high as 16 to 20 per cent, while others as low as 6 to 8 per cent. It is therefore obvious that to obtain the best results only first-class pedigree stocks of seed should be used.



McKENZIE'S NORTH-WESTERN

Swede Turnip or Rutabaga

Any farmer who is feeding stock, even in a limited way, if not growing Rutabaga, is "passing up" one of the best Winter feeds. They are much more easily grown than many seem to suppose, the greatest trouble really is the thinning, and this requires to be done at a season when other work on the farm is usually light. The area devoted to root crops in Western Canada is steadily on the increase. If you are planning to sow Roots, we recommend you to include Swedes, as well as Carrots, Mangels and Sugar Beets, we believe in this way you will attain maximum results, as stock of all kinds undoubtedly thrive better on a "mixed diet" than if fed continuously the same thing.

Purple Top Varieties

1468—McKenzie's North-Western

The Leading Purple Top Variety in Western Canada

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

For general purposes this Swede, in our opinion is a leader. It combines in a remarkable manner, both cropping and keeping qualities which entitle it to a premier place in the ranks of Rutabagas. Briefly we might emphasize its merits by reciting the following points, viz., (1) **Short Neck,** (2) **Short Top,** (3) **Firmness,** (4) **Sweet Flavor,** (5) **Productiveness,** (6) **Longkeeping,** (7) **High Feeding Value.** Our stock has been selected for years, with a view to improving these particular features, the attainment of which represents the perfect type.

1474—Monarch or Elephant

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

A perfectly distinct type of Rutabaga being oblong or tankard shaped, the heaviest cropping variety in cultivation. Does not keep so well as the other varieties offered by us, and in consequence is recommended more particularly for early use. The roots grow well above the ground, and in consequence are easily harvested. The skin is a rich plum color, giving the roots a nice appearance. Short neck, short tops and clean shaped roots with flesh of a fine grained nature, provides a combination which results in an ideal type of Swede or Rutabaga.

1475—Hall's Westbury

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

Our stock of this old and well known variety is an excellent one, of round shape, growing to a large size, of excellent feeding and keeping qualities. A variety that will give satisfaction wherever tried.

1480—White Swede

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

Quite distinct from other varieties inasmuch as the flesh is white. Grows to a moderate size. Keeps unusually well, particularly recommended for table use.

Time to Sow

MANGELS—sow as soon as the ground can be conveniently worked in the spring. Sow 4 to 6 lbs. per acre.

TURNIPS—may be sown comparatively late; two to three weeks after mangels. Sow 2 to 3 lbs. per acre.

CARROTS—sow about the same time or a little later than mangels. Sow 2 to 3 lbs. per acre.

1470—Bangholm

A Variety that has been Popular for Many Years

¼ lb. **25c,** ½ lb. **45c,** 1 lb. **80c.** Postpaid

Bangholm Swede constitutes a link with the past. It must be over a century ago since it was first placed on the market in the old land. Represents a striking example of the possibilities of constant and careful selection. Succeeds uniformly well under many different conditions and over a wide area.

Grows to a large size, and keeps well. Skin is yellow, shading to purple at the top, flesh a yellowish color, fine in texture, firm, solid, and mild in flavor. Not only valuable for stockfeeding, but excellent for table use.

1469—Imperial

One of the Best Known Varieties

¼ lb. **25c,** ½ lb. **45c,** 1 lb. **80c.** Postpaid

While this variety is well adapted for general use, we recommend it more particularly as a late keeper. Perfectly round in shape, it grows hard and firm and will keep well until the following June. Our stock is in every sense of the term a pedigree strain, bred with a view to particularly improve the feeding quality. The flesh is exceptionally fine and sugary, intensely fattening and nourishing, mild in flavor, and solid. Second to none for table use.

IMPERIAL

Swede Turnip or Rutabaga

1473—Universal Purple Top

A Meritorious Swede Turnip of the Highest Quality

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

Has become so popular that its name (happily chosen) is likely to be fully realized and maintained. Is known and grown in almost every country. Known in some districts as Canadian Gem or Century. Chief merits are:—(1) Ability to withstand extremes of temperature. (2) Great resistant powers against mildew. (3) Produces large, clean, shapely roots of uniform size. (4) Excellent feeding quality. (5) Easily harvested. (6) Highly relished by stock of all kinds. An excellent and serviceable variety. (*See illustration.*)

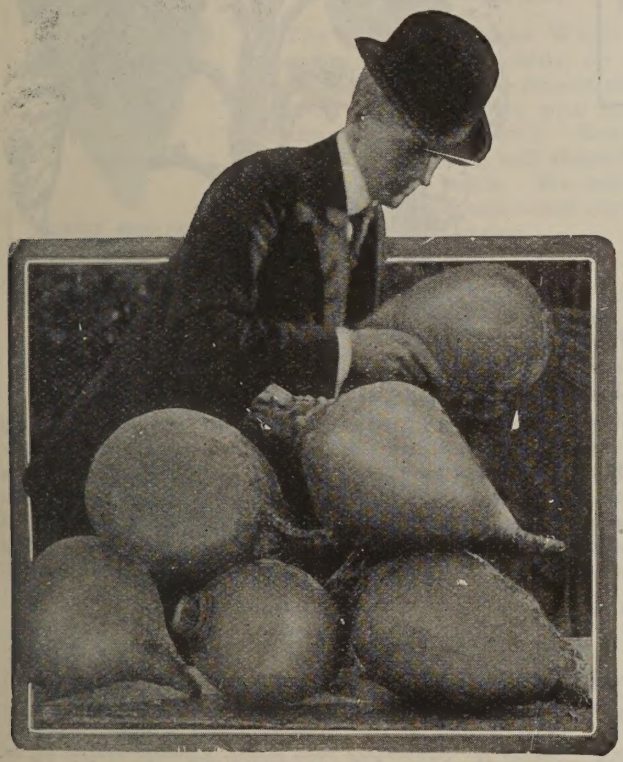
UNIVERSAL

1472—Superlative Purple Top

The Dairymen's Swede

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

A very heavy cropper. One of the most hardy and disease-resisting sorts in cultivation. Grows freely in all kinds of soils. Of mild flavor, firm flesh and robust growing habit. Very rich in sugar and a long keeper. Of the purple top variety, it has much the same habit of growth but more oval in shape than McKenzie's Northwestern. In color it is a rich yellow with the genuine Rutabaga flesh. A selection that is very hard to beat and especially valuable to the dairy farmer.



BREADSTONE GREEN TOP

1471—Breadstone Green Top

A Great Canadian Favorite

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

Breadstone is hard to beat for Western cultivation. In the first place it is a variety different from any other type; then again its robustness makes it peculiarly suitable to our climate. It is an excellent Swede for table use, which alone is a weighty consideration to busy farmers who can ill afford the time to plant the garden sorts; added to this is another distinctive feature—its long-keeping qualities for which it is known and appreciated everywhere. The roots are strikingly attractive, possess very little neck, the flesh is white, solid, delicious and mild flavor. As a cropper it can always be depended upon to produce large and profitable yields.

1476—Kangaroo Green Top

¼ lb. **30c,** ½ lb. **55c,** 1 lb. **$1.00.** Postpaid

Noted for its heavy yielding and general good quality. In shape similar to Monarch, but grows a bronze-green top. The roots are tankard shaped and keep well. It is highly spoken of as being particularly suitable for the Prairie Provinces. The yield is heavy and the feeding value excellent. Well worth a trial. A standard variety, sure to please

Fall Turnip

We strongly recommend farmers to increase their sowings of Turnips, as we are sure the crop will prove remunerative for feeding stock and in addition valuable for table use. Fall Turnips develop more rapidly than Swedes. Nothing better in the world to turn hogs, cattle and sheep into. Being softer, however, than Swedes, they are not recommended for keeping until late Winter feeding.

1499—Purple Top Yellow Aberdeen

A Scottish Introduction of Great Merit

¼ lb. **30c,** ½ lb. **50c,** 1 lb. **90c.** Postpaid

A round, medium-sized, long-keeping, late-maturing, yellow fleshed turnip, with yellow roots and purple top. Very tender and sweet. It is hardy, productive and valuable for all kinds of stock. As it takes longer to mature than the white fleshed types the seed should be sown ten to fourteen days earlier. Highly recommended. (*See illustration.*)

1498—Purple Top Mammoth or Greystone

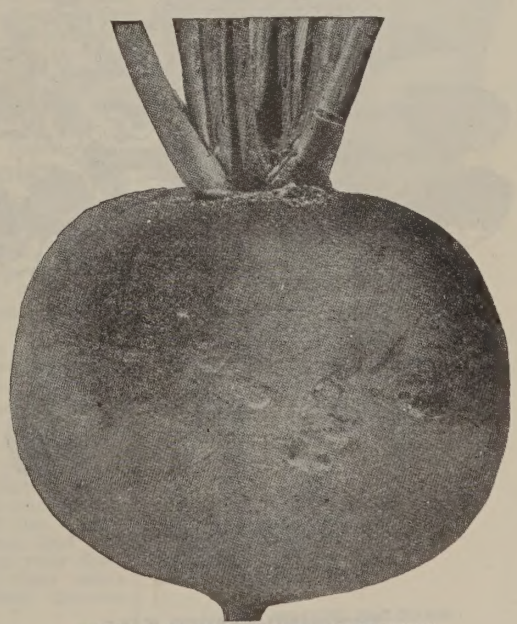
An English Favorite

¼ lb. **30c,** ½ lb. **50c,** 1 lb. **90c.** Postpaid

Produces a greater weight per acre in a given time than any other white turnip. A reliable cropper, valuable for Fall feeding. The roots are of a large globular shape, white skin with purple top. The foliage is heavy and cut. Flesh white, firm texture, mild flavor, sweet and superb quality. Matures quickly and suitable for late sowings.

Other Varieties

	Postpaid ¼ lb.	½ lb.	1 lb.
1500—GREEN TOP YELLOW ABERDEEN. Differs from the purple-top in color only	.30	.50	.90
1501—SELECTED WHITE GLOBE. Grows large in rich soils	.30	.50	.90
1502—COWHORN OR WHITE TANKARD. Of distinct carrot-like form, somewhat crooked, growing nearly half out of the ground. Rapid growth, good yielder and well flavored	.50	.80	$1.50



PURPLE TOP YELLOW ABERDEEN

RAPE DWARF ESSEX

1450—Rape Dwarf Essex

1 lb. 35c, 5 lb. $1.55, postpaid. 10 lb. or more per lb. 22c, 25 lbs. or more, 20c, purchaser pays freight.

The value of Rape as a pasture for hogs and sheep has been so very amply demonstrated as to make it almost superfluous to mention this feature. The rapidity of growth and the heavy weight of green feed, ten to twenty tons per acre which can be produced make it one of the most profitable catch crops which can be grown. As a cleaning and soiling crop it is without equal, and when plowed in adds humus to the soil to a marvellous extent. There are many different qualities of Rape, some of which are practically worthless. Our stock has enjoyed a worthy reputation for many years, and is, we believe the best on the market.

The Fodder Plants listed here are not a substitute for Root Crops. We recommend them for forage and in addition to roots.

DUPLEX RAPE KALE

614—Duplex Rape Kale

The New Fodder Plant. A Great Combination

1 lb. $1.75, 5 lb. $8.50, postpaid. 10 lb. or more $1.60, per lb, purchaser pays freight

We take pardonable pride in having introduced this valuable fodder plant to Western Canada. Its usefulness and suitability have now been very thoroughly established. Its hardiness is undoubted, and its exceptional value as a milk producing fodder is beyond question. As a heavy cropper it is in a class by itself, this of course is largely due to the fact, that it not only produces a great weight of leaves, but the stem is of great feeding value.

The illustration gives good idea of the nature of the stem. The marrow in this stem is softer than a Turnip, is of high feeding value, and greatly relished by stock. Cattle eat it greedily: and will turn to this in preference to Mangel or Sugar Beet.

It withstands drought remarkably well. Has shown no tendency whatever to disease.

The tall growing habit of the plant permits of its being planted closer than is possible with Root crops.

THOUSAND-HEADED KALE

The fact that it grows between 4 and 5 feet high will readily convey that a very heavy crop can be produced; over fourteen tons, green weight per acre, has been actually harvested.

Changing conditions necessitate new methods, and the greater production of fodder for stock has become an absolute necessity. We confidently recommend you to try a patch of Duplex Rape Kale, we believe you will be more than satisfied with the result.

613—Thousand-Headed Kale

Will Thrive on almost any Soil

1 lb. 90c, 5 lbs. $4.25, postpaid. 10 lbs. $7.75, 25 lbs. $19.00.

Purchaser pays freight

Thousand-headed Kale, belongs to the Cabbage family, and is sometimes known as Thousand-headed Cabbage. It grows between 3 and 4 feet high, and produces an abundance of succulent leaves all round the stem. These leaves are greedily eaten by all kinds of stock; sheep seem to be especially fond of them.

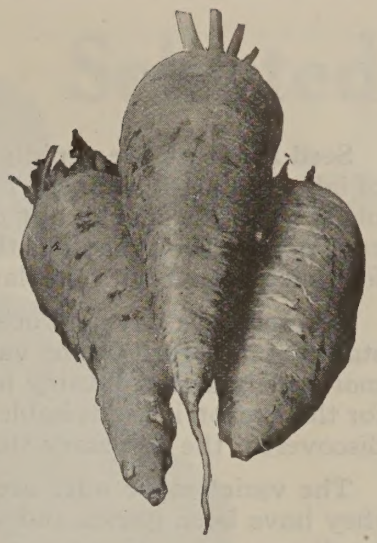
The plant is perfectly hardy, is not affected by frost, and will produce a heavy crop, even under very dry conditions.

It should be sown in drills at least 30 inches apart, and thinned out to 24 inches between each plant.

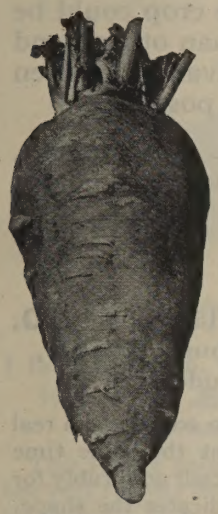
In good well prepared land, with frequent cultivation will produce as high as fifteen tons per acre of green feed. Provides A1 pasture for all kinds of stock.

Field Carrot for Stock Feeding

All kinds of stock are extremely sensitive to a change of diet, and in order to obtain the best results, it is essential that a variety of food be given. Carrots form one of the best articles of food and are highly relished. The feeding value runs very high. Scientific analysis reveals that the constituents of Carrots are 87% of water, about 1¼% of albuminoids, nearly 7% of sugar and 2% of carbohydrates. It is necessary to mention that Carrots are not good for very young animals, although they will if given the opportunity, eat them greedily. Carrots are principally given to horses. The quantity of seed required per acre is 3 lbs. We list only the varieties which we know are most suitable for the West.



IMPROVED HALF LONG WHITE



GIANT WHITE VOSGES

No matter how few head of stock you may winter, Roots of some kind are a necessity. They tone up the whole system and if fed alternately with grain they have practically the same feeding value. They should be cut and mixed with some other forage. Roots have good feeding value for poultry.

1396—Giant White Vosges

A Grand Carrot for General Cultivation

Oz. **15,** ¼ lb. **35c,** ½ lb. **60c,** 1 lb. **$1.00.** Postpaid

The preference given White Vosges by the French, likewise their Eastern Canadian cousins, on account of its heavy cropping record, is unquestionably the reason this carrot is so generally grown in the West. This, combined with its splendid feeding qualities, makes it a leading variety for stock. Smooth, white, crisp, very rich in protein. The roots are clean, well shaped and solid. Is a fine keeper. Greatly relished by all stock. We ask our customers to give this variety a trial alongside of any other carrot and note its remarkable characteristics. (*See illustration.*)

LONG RED SURREY

1394—McKenzie's Improved Half Long White

The Leading Carrot for Stock

Oz. **15c,** ¼ lb. **35c,** ½ lb. **60c,** 1 lb. **$1.00.** Postpaid

Every farmer who has given this variety a trial states that it is one of the heaviest croppers grown. Marked improvements in the condition of stock have been obvious in every instance where it has been used. Aside from its feeding value for stock, which is the very highest, this splendid variety is the heaviest cropping Carrot. The roots are smooth, clean, and well shaped, short and very heavy at the shoulder, thus rendering them easy to harvest. Do not break in pulling and sorting. Sound and solid. An exceptionally good keeper; has great succulency and nutritiousness, which make stock relish it keenly. The flesh is white, crisp, solid and very sweet in flavor. An improvement on the white and green Belgian sorts. (*See illustration.*)

1397—Long White Belgian

Oz. **10c,** ¼ lb. **30c,** ½ lb. **50c,** 1 lb. **80c.** Postpaid

White Belgian has long been the leading Carrot in its native country and is used exclusively for stock feeding. Smooth, blunt, heavy root of a sweet palatable appetizing flavor; grows exposed fully one-third out of the ground, hence easily harvested. It is the largest white carrot and produces an immense quantity of large nutritious roots 3 to 4 inches in diameter. Very free grower and thrives on all soils; but the feeding qualities are scarcely equal to that of the red sorts. (*See illustration.*)

1399—Long Red Surrey

Oz. **15c,** ¼ lb. **35c,** ½ lb. **60c,** 1 lb. **$1.00.** Postpaid

Many farmers prefer to grow an orange Carrot on account of its better eating qualities. While it is admitted that white Carrots are the heaviest yielding, it is recognized that for eating purposes the orange Carrots are in favor. Long red Surrey is an orange Carrot developed to large size for stock feeding. It is a heavy yielder, fine length, thick crown, very little core, smooth, sweet, clean, tender, crisp and mellow. (*See illustration.*)

1398—Long Orange Belgian

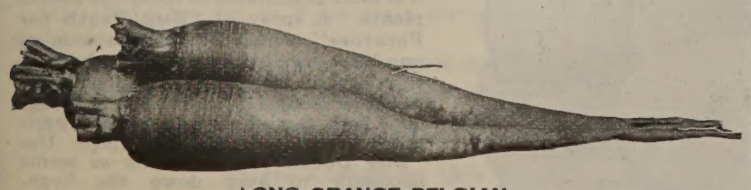
Oz. **15c,** ¼ lb. **35c,** ½ lb. **60c,** 1 lb. **$1.00.** Postpaid

Similar to white Belgian in almost every way excepting color. A very large heavy cropping variety and good value and well worth growing for stock. (*See illustration.*)

1395—Cooper's Yellow Intermediate

Oz. **15c,** ¼ lb. **35c,** ½ lb. **60c,** 1 lb. **$1.00.** Postpaid

A very large rich stock Carrot. It is a type of remarkable productiveness: very juicy and sweet, fine uniform size, solid and well shaped, clean rooted, fine appearance and orange in color. A vast improvement on the white and orange Belgian sorts which have been such favorites in the past, not only in productiveness and ease of harvesting, but in its high feeding properties.



LONG ORANGE BELGIAN

A Word about Field Carrots

Carrots, especially the yellow varieties, are very good for Milch cows, as they tend to color the cream and butter. They can be fed up to 30 lbs. a day with good results. For sheep, feed 1 to 3 pounds daily. Horses are very fond of Carrots, which improve their coats greatly. As a fattening food, Carrots are better than Mangels.

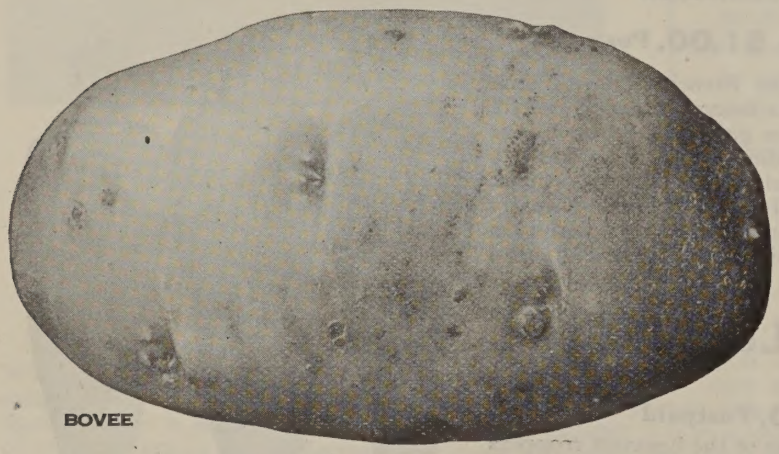
LONG WHITE BELGIAN

Seed Potatoes

Seed Potatoes are rapidly becoming an important factor in Agriculture in Western Canada, and the perfecting of labor saving machinery for planting, lifting and sorting, will undoubtedly have a potent influence in inducing many others to launch out more determinedly than has ever been done before. That the potato is a profitable crop goes without saying, the drawback in the past has been the amount of labor involved, and the necessity for quick action both at planting and lifting time.

For years we have advocated the advisability of farmers in a district getting together and reaching an understanding in regard to the variety or varieties they will grow. By standardizing in this way, the crop could be more easily and profitably marketed. It is quite true that some varieties suit a district better than others, and for this reason it is advisable that intelligent experimenting be regularly practised, and when an advance has been discovered, the necessary steps should be taken to have the new variety introduced as quickly as possible.

The varieties we offer are standard sorts, and have each a reputation for heavy cropping and good quality, they have been grown and stored according to the most approved methods, and under conditions which ensure hardiness and a vigorous constitution.

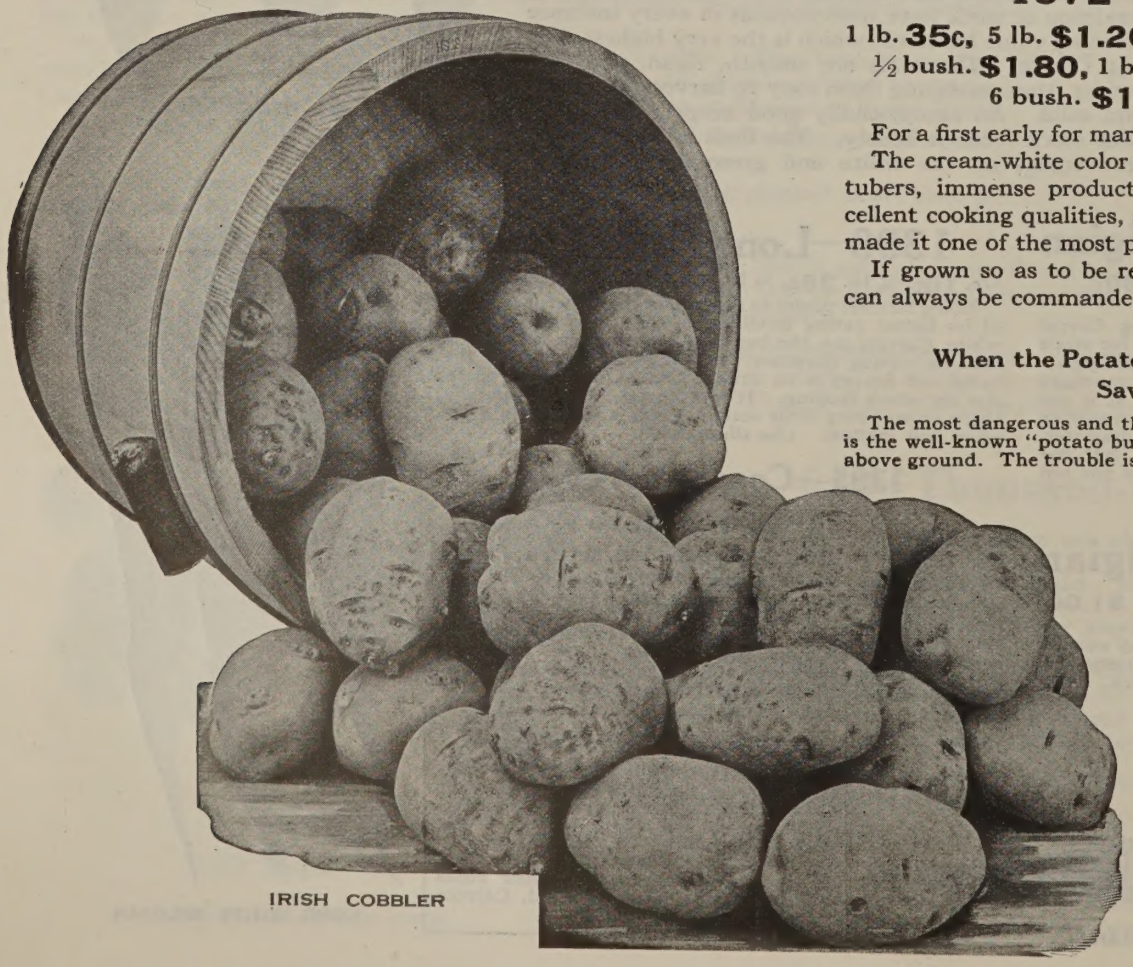


BOVEE

1575—Bovee

1 lb. **35c,** 5 lb. **$1.20,** postpaid: peck (15 lbs.) **$1.10,** ½ bush. **$1.80,** 1 bush. **$3.00,** 1½ bush. **$4.40,** 6 bush. **$17.40.** Bags included

Bovee possesses all the attributes that go to constitute a real good all round variety. A first early and at the same time a heavy cropper and a good keeper, it adapts itself admirably for general use. The illustration very clearly indicates the shape, and it will also be noticed that they have very shallow eyes, which means that they are an economical Potato for cooking. The skin is a pinkish white and the flesh is white, very floury and excellent quality when cooked.



IRISH COBBLER

1572—Irish Cobbler

1 lb. **35c,** 5 lb. **$1.20,** postpaid: peck (15 lbs.) **$1.10,** ½ bush. **$1.80,** 1 bush. **$3.00,** 1½ bush. **$4.40,** 6 bush. **$17.40.** Bags included

For a first early for market use, it is hard to beat Irish Cobbler. The cream-white color of the skin, its earliness, large netted tubers, immense productiveness, even shape, uniform size, excellent cooking qualities, snowy white flesh, and fine flavor have made it one of the most popular Potatoes in the Canadian West. If grown so as to be ready for the early market, a premium can always be commanded.

When the Potato Bug Comes—How You Can Save Your Garden

The most dangerous and the most common insect enemy of the potato is the well-known "potato bug." It appears soon after the potatoes are above ground. The trouble is that the females lay large quantities of eggs on the under side of the leaves and these eggs hatch out in a few days after they are deposited. The young bugs, or larvae, have limitless appetites, and will in a few days devour all the foliage of a potato plant and leave only the bare stems.

In a very small potato patch it may be practica le to eliminate the potato beetle by making frequent examinations of each plant, and picking off by hand and destroying each beetle before it has laid its eggs. For the most part, however, it is more practicable to spray the potato plants. A spray of "Bug Death for Potatoes" should be used as soon as any bugs are discovered. This preparation is very efficacious and will kill the insect as soon as it has eaten any foliage on which the spray has fallen. Paris green sometimes burns the foliage. Use "Bug Death" as frequently as seems necessary to keep down the bugs. Prices and further particulars on page 84.

Seed Potatoes Selected Stocks

WEE MACGREGOR

1570—Wee MacGregor

1 lb. 35c, 5 lb. $1.20, postpaid: peck (15 lbs.) $1.10, ½ bus. $1.80, 1 bush. $3.00, 1½ bush. $4.40, 6 bush. $17.40. Bags included

This Potato raised by Mr. T. Rowan of MacGregor, Manitoba, has very rapidly become one of the most popular varieties in Western Canada.

We believe that to day no variety is so extensively grown, and it has really become a dominating factor in the Potato growing industry in Western Canada.

The skin is a creamy buff, oval shape, and it produces tubers of unusually uniform size, in fact this is a feature which has played an important part in its rapid development. The flesh is pearly white and very fine grained, cooks dry and floury, good flavor and an excellent keeper.

EARLY OHIO

1573—Early Ohio

1 lb. 35c, 5 lb. $1.20, postpaid: peck (15 lbs.) $1.10, ½ bus. $1.80, 1 bush. $3.00, 1½ bush. $4.40, 6 bush. $17.40. Bags included

This is one of the most popular varieties in the great Potato districts to the south, and is making wonderful strides in Western Canada, pink skinned, white fleshed, oval in shape, very shallow eyes combined with excellent table quality constitute a Potato which for general utility is hard to beat. Being very early, it is one of the first to be placed on the market. The vines grow very erect, making the drills easy to cultivate. The tubers grow very compact in the hill, and are easily dug. Can generally be depended upon to produce a very heavy crop.

Seed Potato Eyes by Mail

We have been sending out Potato Eyes by mail for the past few years and there is no doubt that this method is very popular on account of the convenience and promptitude with which supplies can be obtained. For those who are located at remote sections it is particularly suitable While there are many advantages connected with ordering Potato Eyes by mail which cannot be overlooked (and we append some of them here) we think it desirable to mention that we recommend planting the whole Seed Potatoes in preference to the Eyes wherever possible.

The advantages of procuring new Potato Seed by mail cut to eyes, are:—

1st—Packed in neat packages, ready for use, they are delivered at your Post Office at a price which, in most cases, is less than the transportation charges would be if purchased in bulk.

2nd—No freight or express charges to pay.

3rd—Practically no danger from freezing.

4th—Enables you, at a small expense, to try out and secure new seed stock to suit your fancy.

5th—Potatoes cut to Eyes are a recognized method of planting, and give good results and large yields.

6th—It enables customers at remote sections to get a hurried and inexpensive delivery.

1577—100 Eyes, **$1.60**, postpaid. 25 each of any four varieties.

Any one variety of Eyes **60c** per 25 Eyes. Postpaid.

Prices Listed on this Page are f.o.b., Brandon, Man., Except Quantities Listed Postpaid

SEED Pedigreed OATS

True to Type

3279—McKenzie's 96

Possibly the best commendation of this variety is the fact that a year ago our stock was completely exhausted early in the season and we were forced to turn down orders for hundreds of bushels which we were unable to supply. Its popularity really is the result more of the recommendations of customers who have used them rather than any extensive publicity on our part which their quality abundantly justifies. In every district where it has been grown we have experienced an active demand showing that it fills a need for an Oat of this type in Western Canada.

A brief statement in regard to the features which distinguish it will possibly be in order for the sake of those of our readers who have had no previous experience either directly or indirectly.

1. **A white Oat with thin hull and fair sized kernel. Pyramid shape or scattered head.**
2. **Earliness, from 10 to 14 days earlier than Banner.**
3. **Wonderful stooling qualities enabling it to be sown thinly.**
4. **Produces an abundance of excellent feeding straw.**
5. **Strength of straw combined with extraordinary resiliency enables it to withstand successfully winds and storms which break down other varieties.**
6. **Enormous cropping qualities; 105 bushels per acre have been harvested.**

We have provided abundant stocks for distribution this year but the demand may again exceed our expectations and for that reason we suggest that it is desirable to order early.

See colored price sheet following page 48

3280—Leader

Raised by Gartons of Warrington, England and is the result of what is technically known as a compound cross, the pedigree being as follows:—The varieties Waverley and Abundance were crossed and the produce then crossed with the naked Oat of China the final result being aptly named Leader. Many of these hybrid varieties have borne an unenviable reputation for reverting, so much so that we have come across instances where a crop looked more like mixed Oats rather than one variety. Bearing this in mind we have been watching the performance of Leader very carefully and so far as we can judge it seems to be fixed, and recognizing its merit as a heavy and consistent cropper we decided to place ourselves in a position to distribute high grade stock of this variety to our customers.

LEADER

Leader may be briefly described as follows: Medium early ripening, being ready to cut at the same time as Victory, distinct from most other varieties grown in the West, inasmuch as it has a "side" head rather than branching or pyramid head. Heavy yielder, crops as high as 140 bushels per acre being not infrequent.

The grains are white and plump with a very thin hull. The straw is tall and unusually strong.

The stock we offer is of excellent quality and purity.

See colored price sheet following page 48

Non Warranty

While we (A. E. McKenzie Co., Ltd.) exercise care to have all seeds pure and true to name, we do not give, and our Employees and Agents are forbidden to give, any warranty, expressed or implied, as to purity, description, quality, productiveness, or any other matter of any seeds we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, we are to be at once advised, and money paid for same, including freight, will be promptly refunded.

Selected Seed Oats

3212—American Banner

McKenzie's Special Strain

The most generally used Oat in Western Canada; known in Western Canada generally as American Banner but referred to in the Old Land, very often, as Canadian Banner. It is possibly one of the most universally grown Oats in cultivation, its fame is world wide. It represents a very useful type of Oat being thin in the hull, a nice attractive color, fairly stiff straw which stands up well, and an abundant cropper.

McKenzie's Special Strain of this popular Oat is recognized as representing the highest type of development and is away ahead of the ordinary stocks of Banner usually purchased for seed. We strongly recommend every farmer this year to invest in a few bushels of this excellent Oat so that seed stock may be produced for general seeding another year. In this way the standard can be easily maintained at a minimum of expense.

See colored price sheet following page 48

3213—Banner "Registered"

Stocks offered by us under the designation "Registered" are such as have been grown under the rules and regulations of the Canadian Seed Grower's Association, and have been inspected by their inspector. Each and every bag is tagged and sealed by this officer.

While the C.S.G.A. bears all responsibility in regard to the quality and purity of registered stocks, we aim to select our stocks from growers of known repute, and when possible our own inspectors examine the growing crops for the purpose of forming our own opinion in regard to their value.

See colored price sheet following page 48

Cash Deposit

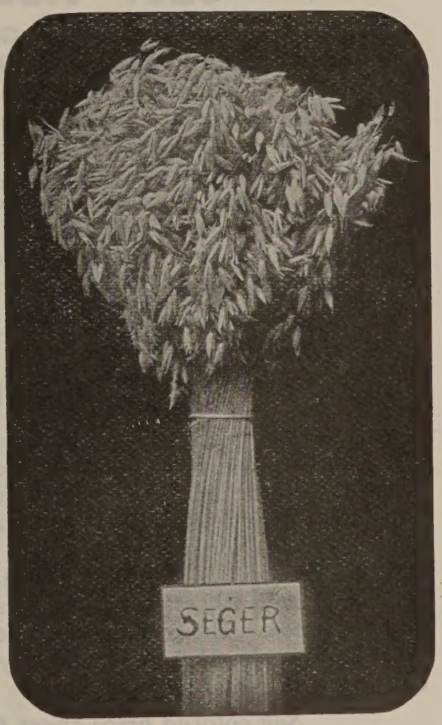
To those who are anxious to protect their requirements early before there is a shortage of seed, but find it inconvenient to provide sufficient cash to pay for same, we will accept orders accompanied by a *cash deposit of 25%* of the total value of the order on the distinct understanding that balance is paid when the purchaser orders the shipment forward.

All seed so ordered is immediately reserved, and will be held until, but not later than March 31st.

3292—Victory or Seger

It seems almost superfluous at this date to say very much about this splendid Oat, as in a comparatively short space of time it has become very popular in many districts. In fact in some localities Victory so dominates the situation that it is almost the only variety grown. It seems to be well adapted to prairie soils. The growing plant possesses wonderful elasticity which enables it to resist wind storms without suffering from broken straw. The grain is white. The kernels are large and plump. The hull is thin and gives the impression as though the oats had been clipped. It is practically beardless, medium early in ripening, and a heavy cropper.

See colored price sheet following page 48



3281—Gold Rain

This very distinct and useful Oat is forging ahead in popularity in Western Canada and bids fair to become a rival of other varieties that have been longer in the field.

Gold Rain is unusually early, a heavy yielder and grows a very fine straw, in fact the quality and texture of the straw is an important characteristic. The straw, aside from being of fine quality, possesses marvelous resiliency and consequently will withstand winds and storm without lodging, which would lay many other varieties low. The stock is also of A1 feeding quality. The grain is of a yellow or golden color, thin hull and almost straight so that they weigh heavily per bushel, in some instances registering as high as 50½ lbs. per measured bushel.

See colored price sheet following page 48

3282—Gold Rain "Registered"

We have an excellent stock second generation. Place your order early.

See colored price sheet following page 48

SEED OATS

ABUNDANCE OATS, AS FAR AS THE EYE CAN SEE—A TYPICAL OAT SCENE IN WESTERN CANADA

3217—Abundance

This Oat was raised by Messrs. Garton of Warrington, England, and rapidly came into favor in the British Isles and some years ago was introduced into this country.

Grains are unusually plump, and it is one of the most attractive Oats to look at so that its commercial value is high. It does not stool like most other varieties, produces very little straw and for this reason should be sown more thickly. In fact our experience is such that we recommend from 3 to 4 bushels per acre. Abundance Oats owing to their distinct character and high commercial value are likely to win favor and extend in popularity.

See colored price sheet following page 48

3293—Gartons 22

This variety has attained wonderful popularity in many isolated districts, particularly in southern and central Alberta where it has been found to be more dependable and produces heavier crops than most other varieties tried. It possesses wonderful drought resisting qualities and is not so easily affected as most other Oats by hot dry winds. The hull is rather thicker than one would like, but this protection evidently stands it in good stead in regard to both drought and hot winds. The germination is somewhat slow, a feature which must be borne in mind but after the young plants have started they develop with remarkable rapidity.

See colored price sheet following page 48

3215—Sixty Day or July

The demand for this Oat continues in such a remarkable manner that we rarely find ourselves able to cope with same. This, of course, is due to the fact that it is usually grown for providing feed during harvest; for this purpose it is admirably adapted owing to its unusual earliness. It is also used extensively for the purpose of a cleaning crop and ridding land infected with wild Oats. It will be readily seen that under both circumstances seed stock is not increased but is drawn upon from year to year. We expect to have a very abundant supply this season but to avoid disappointment we earnestly recommend ordering early.

We feel that it is only fair to say that the face value of Sixty Day or July is not impressive as it is a small grained Oat but the hull is unusually thin so that the meal available is out of all proportion to its apparent size. The feature which distinguishes it most is its extreme earliness; undoubtedly the earliest Oat in cultivation. It is a white Oat with a scattered or pyramid head. The straw is stiff, stands up well and is excellent for sheaf feeding.

See colored price sheet following page 48

3214—Newmarket

This variety bears a striking resemblance to Abundance, and we doubt very much if there is any material difference between the two, although some of our customers aintain that they have experienced excellent results from Newmarket when Abundance and other varieties have not succeeded as well; in fact, to use their own language, they "swear by Newmarket." To meet the requirements of such we can supply excellent stock, A1 in every respect.

See colored price sheet following page 48

Choice Seed Barley

3268—Manchurian No. 871

Six-Rowed

This is a selection from the well known Manchurian variety, made at the North Dakota Experimental Station.

Grown from a single plant which showed characteristics of extra earliness, and the size of the head indicated that, if this feature could be fixed, it would prove a heavier yielder than the parent stock.

After several years careful tests this variety has demonstrated its superiority in regard to earliness, yield, strength of straw, and freedom from rust.

It ripens very evenly and can be harvested with less risk of waste by "shelling" than almost any other variety.

Our stock of this variety for distribution this season is somewhat limited and we strongly urge upon those of our customers who are desirous of securing, to place their order early. To save trouble and disappointment, if in the event of this variety being sold out it will be satisfactory to ship O.A.C. No. 21, or other variety, we shall be glad if you will mention this fact on your order. Or, in the event of your not desiring any substitution, advise accordingly so that we may know just what your wishes are.

See Colored Price sheet following page 48

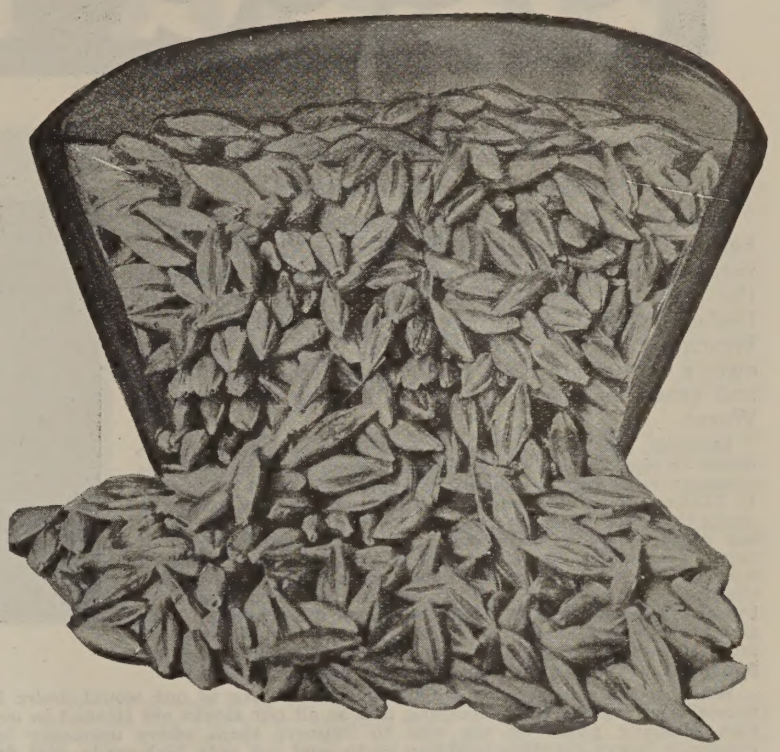
3296—O. A. C. No. 21

Six-rowed

It seems almost superfluous to make any extended description or introductory remarks in regard to this variety, as it is so well known and appreciated in Western Canada. For the sake of new growers, however, we will in a very brief manner describe its salient characteristics.

As its name indicates "O.A.C." being an abbreviation for Ontario Agricultural College, indicates that the variety was raised there. It was selected in 1903 from a plot consisting of nearly 10,000 plants. One particular plant which happened to be numbered "21" stood out preeminently above all others. The produce from this plant was grown by itself and from this single plant every stalk of this variety

HULLESS BARLEY



BARLEY O. A. C. 21

was propagated. This, of course, seems perhaps somewhat simple but it must be understood, that before the type was fixed and represented a standard sort as it does at present, a very exacting system of selection was practised.

We introduced it in Western Canada in 1911, and since that time, it has occupied a prominent place although we have in the meantime tested many other varieties, but they have been discarded owing to the fact that they show no distinct improvement over this excellent sort.

See Colored Price Sheet following page 48

3262—Mensury

Six-rowed

Possibly no variety of Barley is so well known and generally used as Mensury. It seems to adapt itself to a very wide territory and produces a satisfactory crop under very diverse conditions. We pride ourselves on always having been able to supply a very high class grade of this excellent variety and this year the stock we have to distribute is fully equal to anything we have sent out in the past.

See Colored Price Sheet following page 48

3263—White Hulless Improved

This is a distinct type of Barley, being Beardless, and when threshed, Hulless. The absence of the troublesome beards or awns, present in other varieties, enables it to be used as a hay crop or for sheaf feed, for which purpose the ordinary varieties of Barley are entirely unsuitable. It is exceptionally early, maturing under favorable conditions in 60 days. Can be sown late, and is an excellent "catch crop." Well adapted as a cleaning crop. For stock feeding it has no equal, a heavy yielder, and excellent feeding quality. The grain is exceptionally heavy, weighing 60 to 63 lbs. to the measured bushel. Its nutritive value is very great and can be used with equal success for feeding horses, poultry, hogs and in fact all kinds of stock.

See Colored Price Sheet following page 48

Seed Wheat

3185—Marquis

McKenzie's Gold Standard

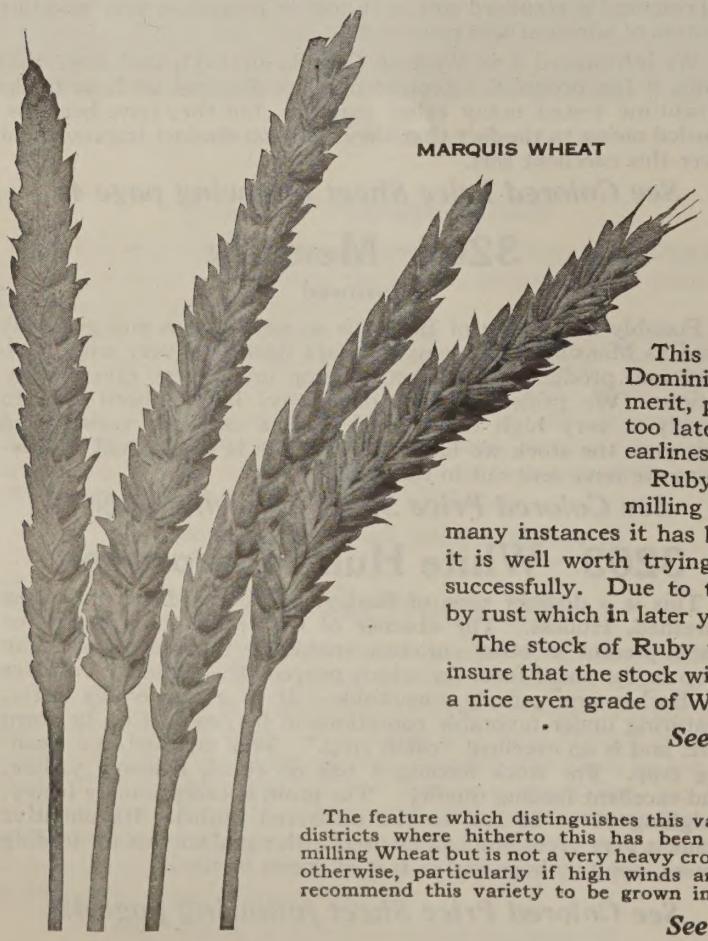
Marquis still occupies the foremost place, among hard spring wheats suited for Western Canada. This variety has played a very important part in increasing the yield per acre and consequent gross number of bushels available for export and home demand in this Western Country. Not only the West but America owes a debt of gratitude to Dr. Saunders for his labors and genius in selecting and introducing this valuable Wheat.

Marquis, like most hybrid varieties, shows a tendency to revert to one or other of the parent types. This necessitates constant reselection to maintain a high standard of purity. In McKenzie's Gold Standard we have consistently sought to apply the most up to date and approved methods of selection, our object being to maintain in the first instance purity of type by regularly eliminating all heads which show either a trace of being bearded or any variation in color or size and at the same time we have sought to improve the yielding quality by selecting heads of the largest and most uniform size. This governs the pedigree of the stock. The quality of the stock must naturally be governed by the climatic conditions experienced during the growing and ripening periods.

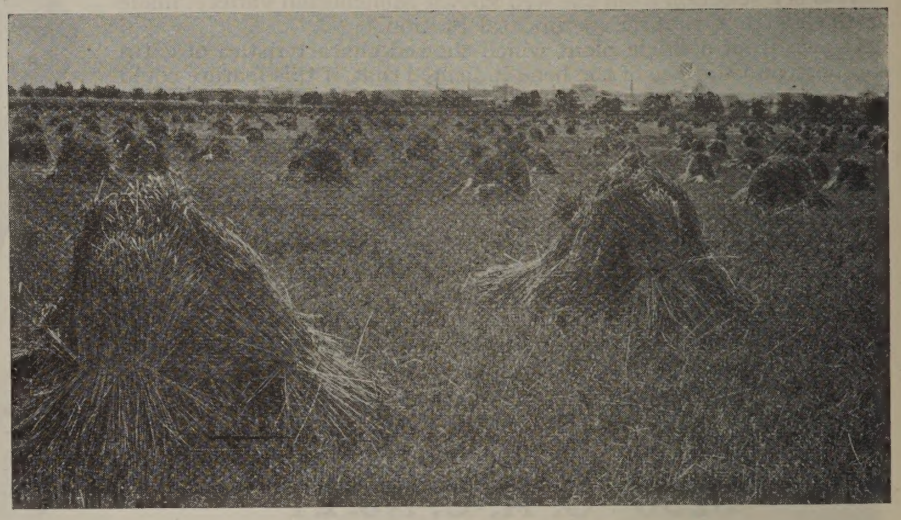
When growing conditions are not as satisfactory as one would desire it necessitates a more rigid screening and as all our stocks are cleaned in our own cleaning plant we are able to improve them where necessary by unusually heavy cleaning enabling us to send out only high grade, well developed, vigorous growing kernels.

We recommend McKenzie's Gold Standard Marquis with perfect confidence believing that it is without exception the very best type of this excellent variety that can be obtained.

See colored price sheet following page 48



MARQUIS WHEAT



A FIELD OF MARQUIS WHEAT NEAR BRANDON

3186—Registered Marquis

The work of the Canadian Seed Growers Association is now so well known that it is scarcely necessary to lay any emphasis upon the high standard which all seed grain must reach before it will qualify for registration under the rules which are applied.

In registered stocks, however, as well as anything else there are variations in quality and our far reaching organization, extending to every corner of this western land, enables us to secure the very best.

We have pleasure in offering the following exceptionally choice stocks of Registered Marquis Wheat:

SECOND GENERATION—*See page 48 for prices.*
THIRD GENERATION—*See page 48 for prices.*

Under the revised rules of the C.S.G.A., the product grown from second and third generation seed is eligible for registration provided the quality is suitable.

3205—Ruby

This comparatively new Wheat, introduced by Dr. Chas. E. Saunders, the Dominion Cerealist, in 1918, has already established itself as a wheat of unusual merit, particularly for sections of the country where Marquis and Red Fife are too late in ripening. Aside from its immunity from frost, due to its unusual earliness, it also possesses wonderful resistance to rust.

Ruby Wheat is a bald type with heads and kernels not unlike Marquis. Its milling qualities are equal to Marquis and it ripens from 7 to 10 days earlier. In many instances it has been found to yield quite as heavily as Marquis and our opinion is that it is well worth trying out even in more southern sections where Marquis is at present grown successfully. Due to the fact that being earlier it will, we believe, be less likely to be affected by rust which in later years has very seriously interfered with the prospect of an abundant crop.

The stock of Ruby we are offering was grown in northern Manitoba under conditions which insure that the stock will be of hardy and vigorous constitution. The sample is well ripened and is a nice even grade of Wheat, and germination tests show that it is of unusually high vitality.

See colored price sheet following page 48

3201—Prelude

The feature which distinguishes this variety is its unusual earliness and it has enabled Wheat to be produced in many districts where hitherto this has been impossible. It ripens two weeks earlier than Marquis or Red Fife, is a good milling Wheat but is not a very heavy cropper. The heads are bearded and open chaff and should be cut just as soon as ripe otherwise, particularly if high winds are experienced, it is liable to shatter and loss of crop will be suffered. We only recommend this variety to be grown in districts where Marquis or Red Fife ripens too late to be successful.

See colored price sheet following page 48

Seed Wheat

3180—Durum-Kubanka

In the season that rush has been most manifest in Western Canada, Durum, as compared with other varieties has produced a larger yield, it possesses greater resistance to drought, and is less subject to shell. Any variety possessing these important characteristics is worthy of the attention of Western wheat growers. Durum requires a longer time to mature than Marquis, but usually ripens earlier than Red Fife. The flour produced from Durum is well adapted for blending purposes.

The Durum plant is vigorous, heads broad, compact, with long stiff beards. The kernels or grain are large, inclined to be long, hard, bright amber color securely held by the chaff.

Our stock is what is known as the Kubanka type which is the best of the Durums. The stock is a beautiful sample.

See colored price sheet following page 48

3189—Dr. Saunders' Early Red Fife

Dr. Saunders' association with this Wheat is possibly sufficient evidence to indicate that it possesses features of excellence that justify the conclusion that it is something out of the ordinary.

There are many districts where Marquis, owing to the shortness of the straw, is unsuited. We refer particularly to districts where dry conditions are more or less experienced. In such districts Dr. Saunders Early Red Fife comes as an inestimable boon as it gives a Wheat that ripens as early as Marquis but produces longer straw and is more adapted for both dry districts and also lighter soils. The yield is quite equal to Marquis and we strongly recommend this variety to be sown in districts where Marquis has not been giving satisfaction.

See colored price sheet following page 48

3203—Red Fife Gold Standard

We are pleased to be able to offer for the sake of those who still cling to the old Red Fife, a very excellent stock of this old favorite. The stock we offer is absolutely true to type, has been thoroughly re-cleaned, is of high vitality and is an unusually high grade of the old Red Fife.

See colored price sheet following page 48

3190—Kitchener

Kitchener undoubtedly possesses characteristics which are of unusual value, and in our opinion, given a good strain of Kitchener, true to type and growing under similar conditions in every respect in competition with varieties like Marquis, we believe that Kitchener in nine cases out of ten would show a distinctly heavier crop.

Our observation has led us to believe that it resists Spring frosts better than Marquis, is a few days earlier, produces a much larger berry and owing to the greater substance in the straw, it can be cut earlier than Marquis, that is it can be cut before it is really ripe and it does not shell in the same way as Marquis when cut under similar conditions.

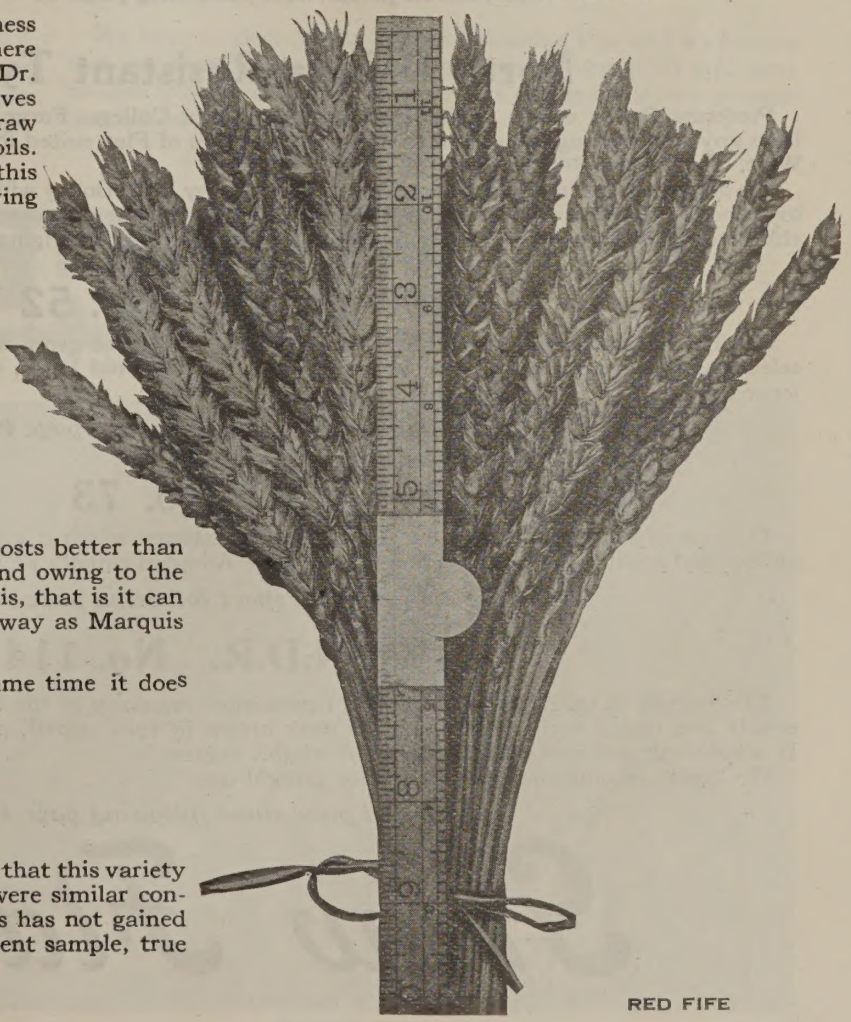
It is much more easily threshed than Marquis, and at the same time it does not readily shell if allowed to stand uncut after it is ripe.

See colored price sheet following page 48

3179—Red Bobs

Reports recently received from some growing districts indicate that this variety has yielded larger crops than Marquis under what apparently were similar conditions. On the other hand, there are districts where Red Bobs has not gained in favor. It succeeds best on heavy soil. Our stock is an excellent sample, true to type and the price very attractive.

See colored price sheet following page 48



RED FIFE

Seed Flax

The Growing of Flax

Flax is well adapted for growing on new breaking. Its shallow root system enables it to grow well and produce a crop in shallow soil where the plant food is near the surface. It is an ideal crop for the new settler as it can be handled with the minimum of equipment or horse power.

3265—Primost (Minnesota No. 25)

This variety is firmly established in Western Canada, in fact so popular has it become that our invariable experience is that our supply does not begin to take care of the demand. The plant, as its synonym name indicates, is a product of the Minnesota Experimental station from which source many valuable contributions have been made to advanced agriculture.

The feature that distinguishes it most from the common type, is its unusual earliness, being from seven to ten days earlier in ripening, which is of incalculable value where early frosts are experienced. A heavy yielder ripening very uniformly, the straw is of medium length and the crop is easily harvested.

The kernel of Primost is rather smaller than the Common variety and for this reason it is somewhat difficult to separate weed seeds such as Stick Seed for instance. This, more than anything else, contributes to the scarcity of suitable seed, as much that is grown becomes so infested with weeds, which cannot be separated, that the stock is lost so far as seed use is concerned.

To avoid disappointment we strongly advise early ordering.

See colored price sheet following page 48

3266—Common or Russian

No variety of Flax has been so useful to the homesteader or pioneer as the Common variety. Its adaptability for sod land, its small bulk and high value all contribute to make Flax a popular crop with the settler in his early struggles. On virgin land newly broken, particularly where early frosts are not ordinarily encountered, Common Flax is second to none. The stock we offer has been thoroughly recleaned and graded and represents a very attractive sample indeed.

See colored price sheet following page 48

North Dakota Resistant Types

Professor Bolley of the North Dakota Agricultural College, Fargo, has probably done more than any single living individual to improve the types of Flax suited for cultivation in the North-West.

We have pleasure in offering three selections made by Prof. Bolley which have become famous all over the North-Western States and Western Canada. For the purpose of maintaining the original characteristics, we aim frequently to obtain seed stock from the original source of supply.

3290—N.D.R. No. 52

A wilt resistant strain of established reputation. Does not grow as tall as some of the other selections but is a robust grower of branching type. For old lands, where wilt has been experienced, we highly recommend this variety.

See colored price sheet following page 48

3289—N.D.R. No. 73

This variety is distinguished by the unusual resistance which it gives to rust. It is a heavy yielder and produces an unusual quantity of oil. Adapted equally well for either old or new land.

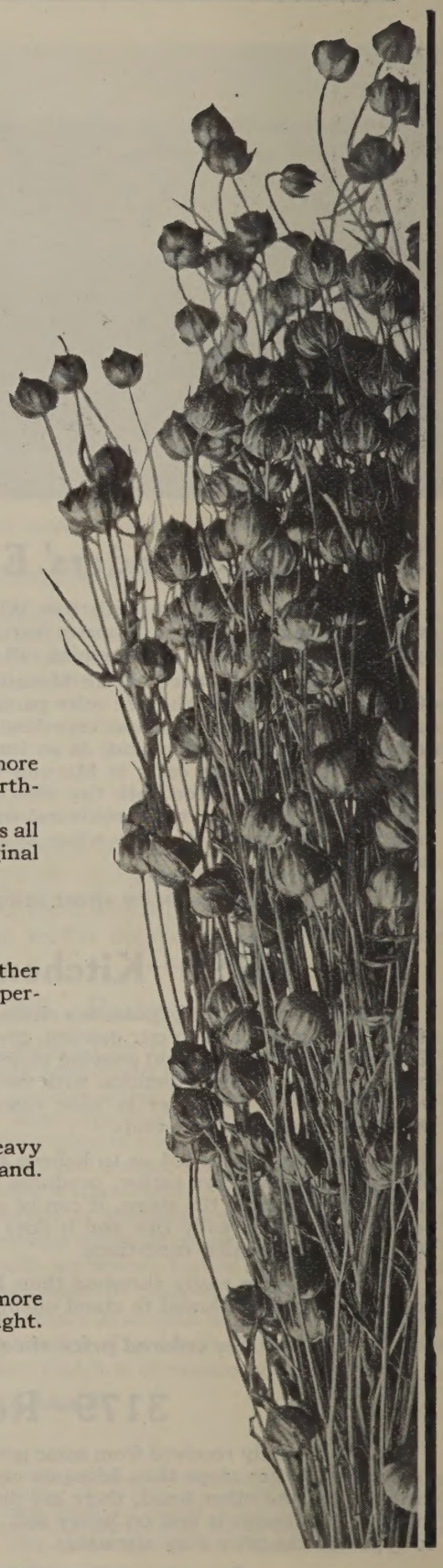
See colored price sheet following page 48

3288—N.D.R. No. 114

This variety is taller than No. 52 and ripens more regularly at the top, matures its seeds more evenly and ripens earlier. The seed is dark brown in color, small, plump and nearly straight. It is both wilt and rust resistant to a remarkable degree.

We highly recommend this variety for general use.

See colored price sheet following page 48



Grow Flax

SPRING RYE

In our introductory remarks regarding Rye a year ago, we emphasized the fact that conditions peculiar to the war had introduced many changes in every walk of life and we stressed the fact that agriculture had not escaped these changes.

The amazing popularity of Rye represents one of these changed conditions which can be attributed absolutely to conditions arising through the Great War. Some of these changes have been desirable and others have been undesirable, but we think it can be fairly well established that the prominence given to Rye in Agriculture can be classified among the desirable innovations.

Rye can be grown in Western Canada with abundant success, can be depended upon to produce a crop under conditions where either Wheat or Oats would be a comparative failure. If you have not already tried out either Spring or Fall Rye, we strongly advise you to give this matter consideration.

SPRING RYE

3218—Spring Rye

As a cleaning crop for the purpose of eradicating Wild Oats and other foul seeds, Spring Rye is second to none and a crop can be produced on poor worn out land under dry conditions where Wheat would be a comparative failure. Not only can it be used as a profitable grain crop but if desired it may be cut and cured for hay.

We have made a special study of cleaning Rye and we believe that our cleaning machinery represents the very latest and most modern type, enabling us to clean Rye and grade it in a manner that leaves little to be desired.

See colored price sheet following page 48.

WINTER RYE

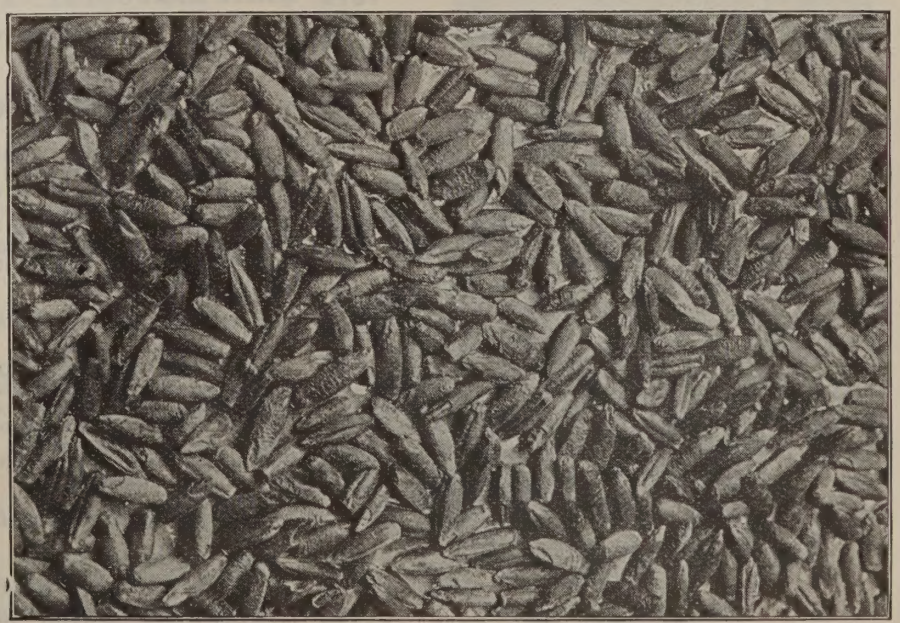
3219—Winter or Fall Rye

We have long made a study of this particular crop and naturally have gained experience which is of considerable value not only to ourselves but to our customers. In previous years we have indicated that there are certain districts which seem to produce a better quality of Winter Rye for seed than others and our aim is to obtain our supplies from these sources.

On arrival in our warehouse, the seed is subjected to the most exacting cleaning process which enables us to send out a finished product of unusual excellence.

Our observation during the past season in regard to the use of Rye has impressed us with the importance of its use on lands that are subject to "blow." It would seem to us that seeding with Fall Rye is, in many instances, almost the only solution. In the first place the seed can be sown and will germinate at a time when the season for blowing seems to be over, and the plants will have obtained sufficient hold the following Spring to withstand the wind storms. Still further the introduction of fibre will have a very beneficial effect upon the land and we believe will, to a large extent, prevent blowing the succeeding year when it may be possible to again resort, successfully, to the growing of Wheat. Aside from grain value, "Winter Rye" makes splendid Hay when cut in green state.

See colored price sheet following page 48.



WINTER RYE

Speltz

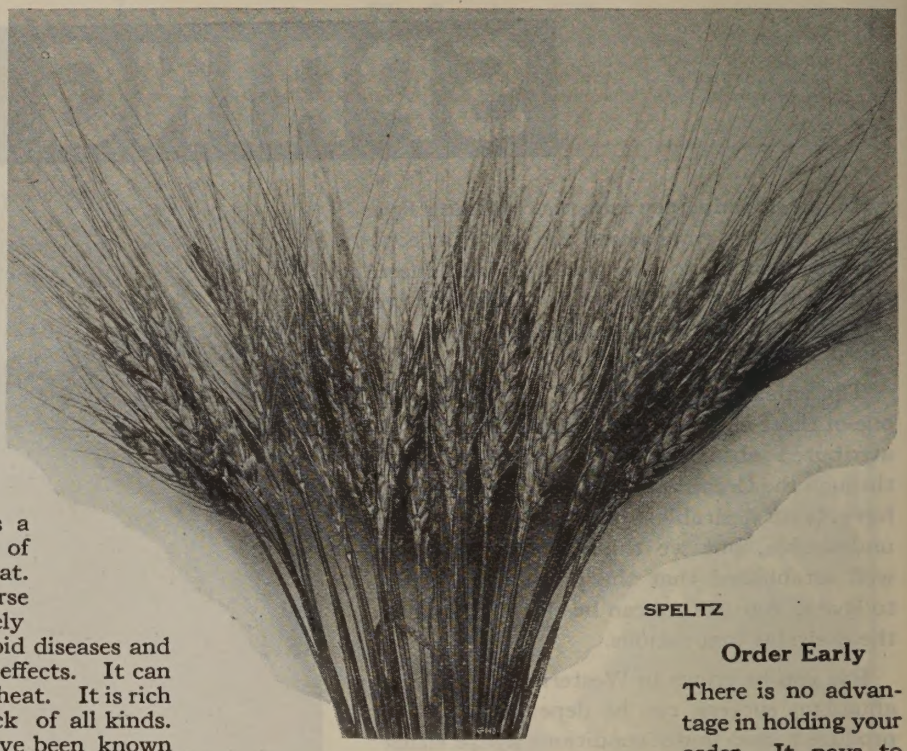
3209—Speltz

It seems almost superfluous to lay any emphasis on the value of Speltz, as our experience during the past few years has been that its value is fully appreciated by Western farmers, so much so that our difficulty has largely been a question of supplying the demand rather than introducing the stock.

This year we have possibly the best stock of Speltz we have had for many years. We feel confident that we will be able to take care of all the orders that will be entrusted to us and for the benefit of those who have not had any previous experience with Speltz we might mention a few particulars.

A study of the illustration will show that it bears a striking resemblance to Barley, although as a matter of fact, it is really botanically more closely allied to Wheat. It is a sure cropper even under the driest and most adverse conditions, in fact a crop failure from Speltz is rarely known. It seems to be impervious to rust or other fungoid diseases and also withstands considerable frost without any harmful effects. It can be sown at the same time and in the same manner as Wheat. It is rich in protein and may be fed with excellent results to stock of all kinds. The straw is much relished by stock, in fact cases have been known where they would leave the Oat straw pile and go to the Speltz straw pile in preference.

See colored price sheet following page 48



SPELTZ

Order Early

There is no advantage in holding your order. It pays to order early when stocks are ample.

Field Peas

CANADA FIELD PEAS

We have long advocated the use of Field Peas in crop rotation. Belonging as they do to the leguminosæ, are invaluable for fertilizing and building up land that has been depleted through successive cropping. During the past few years the high price of seed has to some extent militated against its extensive use but with the return of more normal prices we feel constrained to urge all farmers in the West to put in a moderate acreage of Field Peas. They will repay the investment.

A good method to adopt in Western Canada where strong winds prevail is to sow the Peas with Oats, and in this way the plants are more likely to succeed and not only this but it simplifies harvesting very much. The usual proportion to sow would be 2 bushels Oats with 1½ bushels Peas. The two crops can be threshed together, and if desired, separated when being cleaned. The Pea vine straw increases the value of the sheaves for feed considerably.

We recommend the following varieties as being the best adapted for growing in Western Canada.

3223 ARTHUR.—A very popular variety in the West which produces an abundant crop
1018 BLACK EYE MARROWFAT.—A strong grower of A 1 quality.
3227 CANADIAN BEAUTY.—An excellent Pea, large and very productive.
3226 CANADIAN FIELD.—One of the best for general use.
3225 GOLDEN VINE.—A small Pea, very productive, the vines make excellent hay.
3229 PRUSSIAN BLUE.—An old favorite, sometimes used for canning.
1019 WHITE MARROWFAT.—A splendid large Pea of excellent feeding quality.

See colored price sheet following page 48

Buckwheat

3210—JAPANESE. Quite distinct from other varieties. Now being grown by many of the most successful farmers in the West. It is early and very productive. The rich dark brown kernels are larger than the Silver Hulled. Buckwheat is coming into considerable prominence as a cleaning crop. It makes excellent feed for cattle and hogs.

See colored price sheet following page 48

3211—SILVER HULLED. A great improvement over the original black or grey sort. It is early, yields nearly double the quantity per acre and remains longer in bloom than other sorts. An excellent variety for Honey Bees. Buckwheat sown along with Timothy and Clover is an adaptable plan.

See colored price sheet following page 48

3287—COMMON. A Manitoba grown stock of the popular Ontario variety.

See colored price sheet following page 48

3285—Common or Spring Tares (Vetches)

This is one of the most promising of all the leguminous plants. Rapidity in growth and extreme hardiness render it peculiarly suitable for our cool climate. As a fodder plant it provides abundant nourishment, and can be cured or made into ensilage. For building up soils Vetches are invaluable, gathering up nitrogen from the air and supplying to worn out or impoverished soils just the necessary stimulant so greatly needed. If sown alone, sow about 2½ bushels of seed to the acre. May be sown with ½ bushel of Oats, which should assist in holding up the crop and making it easier to harvest.

See colored price sheet following page 48

3286—Winter Vetch

(Also called Sand or Hairy Vetch)

A valuable forage plant of particularly hardy constitution. An excellent Winter cover crop which is being more extensively grown. Yields ten to eighteen tons of green fodder per acre.

Current Price List

Seed Grains, Grasses, Clovers, Etc.

Subject to change without notice

THE prices quoted in this list represent values on the date of issue (January 1, 1921), and apply on all varieties described and illustrated on pages 40 to 57 inclusive, and also include special offers, page 1. We will endeavor to maintain these prices right through the season. It frequently happens, however, that, owing to fluctuations of seed values, we are obliged to pay higher prices for replacing original stocks that have become sold out, than the prices quoted in this list. On the other hand, prices sometimes decline, hence quotations herein are "subject to change without notice."

Where a change in seed values has taken place, if higher, orders will be filled to the full extent of remittance received, if lower, balance over remitted will be returned. **Quotations are F. O. B., Brandon, Man.**

PRICES — MARKET CHANGES

Prices of FIELD SEEDS were drafted early in December. Later in the month the markets on some stocks declined very heavily.

Please note the particular varieties and change of prices as hereunder. Orders should be made out accordingly. On varieties not affected by the change use prices as quoted on current blue bordered price sheet below.

Should further changes in seed values take place, if higher, orders will be filled to full extent of remittance received, if lower, balance over-remitted will be returned.

QUOTATIONS ARE F.O.B. BRANDON, MAN.

Catalog page	Catalog number	Varieties	Packed in bags, each containing	Price of bags							
					5 bush or more	2½ bush. bag	1 bush.	½ bush.	1 peck.	Postpaid 5 lb.	Postpaid 1 lb.
		CORN—FIELD									
1	K62	Minnesota 13	2½ bush.	25c	3.30	3.35	3.45	1.80	1.00	1.10	.35
50	3300	Northwestern Dent	2½ bush.	25c	3.65	3.70	3.80	1.95	1.05	1.15	.35
		CLOVER									
					100 lbs.		50 lbs.	25 lbs.	10 lbs.		Postpaid 1 lb.
1	K72	Sweet Clover—White Blossom Government Grade Extra No. 1	150 lb.	50c	15.50		8.00	4.25	1.85		.50
		OATS			12 bush. or more		3 bush. bag		1 bush.		
40	3279	McKenzie's 96	3 bush.	25c	1.45	per bus.	1.55	per bus.	1.60		
42	3217	Abundance	3 bush.	25c	1.00	"	1.10	"	1.15		
42	3293	Gartons 22	3 bush.	25c	1.00	"	1.10	"	1.15		
42	3214	Newmarket	3 bush.	25c	1.00	"	1.10	"	1.15		
		WHEAT			10 bush. or more		2 bush. bag		1 bush.		
44	3205	Ruby	2 bush.	25c	4.75	"	4.85	"	4.95		
45	3180	Durum-Kubanka	2 bush.	25c	3.60	"	3.70	"	3.75		
45	3179	Red Bobs	2 bush.	25c	3.00	"	3.10	"	3.20		
					100 lbs.		50 lbs.		1 lb. Postpaid		
48	3209	SPELTZ	100 lbs.	25c	4.25		2.30		.35		
					100 lbs.		50 lbs.	25 lbs.		1 lb. Postpaid	
49	3280	SUDAN GRASS	120 lbs.	25c	10.00		5.20	2.75		.45	
		MILLET			100 lbs.		50 lbs.		25 lbs.		Postpaid 1 lb.
54	3232	Common (Govt. Grade No. 1)	120 lbs.	25c	4.90		2.70		1.60		.30
54	3297	Early Fortune (Govt. Gde. No. 1)	120 lbs.	25c	4.90		2.70		1.60		.30
54	3231	Golden (Govt. Grade No. 1)	120 lbs.	25c	5.85		3.25		1.80		.30
54	3235	Hog (Govt. Grade No. 1)	120 lbs.	25c	4.90		2.70		1.60		.30
54	3234	Siberian (Govt Grade. No. 1)	120 lbs.	25c	4.90		2.70		1.60		.30
54	3233	Japanese (Govt. Grade No. 1)	120 lbs.	25c	9.00		4.75		2.65		.30
		ALFALFA			100 lbs.		50 lbs.	25 lbs.	10 lbs.		Postpaid 1 lb.
56	3255	Turkestan	150 lbs.	50c	35.00		17.75	9.10	3.95		.70
57	3320	Liscomb	150 lbs.	50c	55.00		27.75	14.10	5.90		.85

Current Price List

Seed Grains, Grasses, Clovers, Etc.

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Quotations are F. O. B., Brandon, Man.

Catalog page	Catalog number	Varieties	Packed in bags, each containing	Price of bags	CURRENT PRICES (January 1, 1921)				
		SPECIAL OFFER							
1	K32	Oats—Banner	3 bush.	25c	.84 per bush.				
1	K42	Oats—Victory	3 bush.	25c	.83 per bush.				
1	K52	Oats—Abundance	3 bush.	25c	.82 per bush.				
1	K62	Corn—Minnesota 13	2½ bush.	25c	3.35 per bush.				
1	K72	Sweet Clover—White Blossom	150 lb.	50c	17.50 per 100 lbs.				
1	K82	Wheat—Marquis	2 bush.	25c	2.60 per bush.				
		OATS			12 bush. or more		3 bush. bag		1 bush.
40	3279	McKenzie's 96	3 bush.	25c	$1.50 per bus.		$1.60 per bus.		$1.65
40	3280	Leader	3 bush.	25c	1.35 "		1.45 "		1.50
41	3212	Banner Special Strain	3 bush.	25c	1.25 "		1.35 "		1.40
41	3213	Banner—Registered	3 bush.	25c	2.10 "		2.20 "		....
41	3292	Victory or Seger	3 bush.	25c	1.20 "		1.30 "		1.35
41	3281	Gold Rain	3 bush.	25c	1.10 "		1.20 "		1.25
41	3282	Gold Rain—Registered	3 bush.	25c	1.60 "		1.70 "		....
42	3217	Abundance	3 bush.	25c	1.10 "		1.20 "		1.25
42	3215	Sixty Day or July	3 bush.	25c	1.10 "		1.20 "		1.25
42	3293	Gartons 22	3 bush.	25c	1.10 "		1.20 "		1.25
42	3214	Newmarket	3 bush.	25c	1.00 "		1.10 "		1.15
		BARLEY			10 bush. or more		2 bush. bag		1 bush.
43	3268	Manchurian 871	2 bush.	25c	1.50 per bus.		1.60 per bus.		1.65
43	3296	O.A.C. No. 21	2 bush.	25c	1.45 "		1.55 "		1.60
43	3262	Mensury	2 bush.	25c	1.40 "		1.50 "		1.55
43	3263	White Hulless..per bus. 60 lbs.	2 bush.	25c	3.25 "		3.35 "		3.40
		WHEAT			10 bush. or more		2 bush. bag		1 bush.
44	3185	Marquis—Gold Standard	2 bush.	25c	3.20 per bus.		3.30 per bus.		3.35
44	3186	Marquis—Registered, 2nd Generation	2 bush.	25c	3.85 "		3.95 "		4.00
		Marquis—Reg. 3rd Generation	2 bush.	25c	3.50 "		3.60 "		3.65
44	3205	Ruby	2 bush.	25c	7.15 "		7.25 "		7.35
44	3201	Prelude	2 bush.	25c	3.60 "		3.70 "		3.75
45	3189	Red Fife—Dr. Saunder's Early	2 bush.	25c	3.50 "		3.60 "		3.65
45	3203	Red Fife—Gold Standard	2 bush.	25c	3.40 "		3.50 "		3.55
45	3180	Durum-Kubanka	2 bush.	25c	3.95 "		4.05 "		4.10
45	3190	Kitchener	2 bush.	25c	3.50 "		3.60 "		3.65
45	3179	Red Bobs	2 bush.	25c	4.50 "		4.60 "		4.65
45	3206	Fall or Winter—Turkey Red	2 bush.	25c	3.80 "		3.85 "		3.95
		FLAX							
46	3265	Primost (Minn. 25)	2 bush.	25c	3.35 "		3.45 "		3.50
46	3266	Common or Russian	2 bush.	25c	3.20 "		3.30 "		3.35
46		North Dakota Resistant	2 bush.	25c	Prices on application				
					10 bush. or more		2 bush. bag		1 bush.
47	3218	**SPRING RYE**	2 bush.	25c	2.45 per bus.		2.55 per bus.		2.60
47	3219	**WINTER OR FALL RYE**	2 bush.	25c	2.55 "		2.65 "		2.70
								100 lbs.	50 lbs.
48	3209	**SPELTZ**	100 lbs.	25c	....		....	$5.35	$2.80
					6 bush. or more		2 bush. bag	1 bush.	½ bush
		BUCKWHEAT							
48	3210	Japanese	2 bush.	25c	5.15 per bus.		5.20 per bus.	5.25	2.75
48	3211	Silver Hulled	2 bush.	25c	3.65 "		3.70 "	3.75	2.00
48	3287	Common	2 bush.	25c	2.50 "		2.55 "	2.60	1.35

Postpaid 1 lb.
.35
Postpaid 1 lb.
.35
.35
.30

NON WARRANTY

While we (A. E. McKenzie Co., Ltd.) exercise care to have all seeds pure and true to name, we do not give, and our Employees and Agents are forbidden to give, any warranty, expressed or implied, as to purity, description, quality, productiveness, or any other matter of any seeds we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on

Catalog page	Catalog number	Varieties	Packed in bags, each containing	Price of bags	CURRENT PRICES (January 1, 1921)						
		PEAS FIELD			6 bush. or more		2 bush. bag		1 bush.	½ bush.	Postpaid 1 lb.
48	3226	Canadian Field	2 bush.	25c	$4.50	per bus.	4.55	per bus.	4.60	2.40	.35
48	1018	Black Eye Marrowfat	2 bush.	25c	5.70	"	5.75	"	5.80	3.00	.35
48	3227	Canadian Beauty	2 bush.	25c	5.45	"	5.50	"	5.55	2.85	.35
48	3225	Golden Vine	2 bush.	25c	4.95	"	5.00	"	5.05	2.65	.35
48	3229	Prussian Blue	2 bush.	25c	4.95	"	5.00	"	5.05	2.65	.35
48	1019	White Marrowfat	2 bush.	25c	5.70	"	5.75	"	5.80	3.00	.35
48	3223	Arthur	2 bush.	25c	6.00	"	6.05	"	6.10	3.15	.35
48	3285	**VETCH—SPRING OR COMMON**	2 bush.	25c	....		5.65	"	5.70	2.95	.30
			100 lbs.		50 lbs.		25 lbs.		1 lb. Postpaid		
48	3286	**VETCH WINTER**	100 lbs.	25c	25.00		13.00		6.60	.60	
		SUNFLOWER									
49	1288	Giant	100 lbs.	25c	10.00		5.50		3.00	.35	
49	3280	**SUDAN GRASS**—*Grade No. 1*	120 lbs.	25c	18.00		9.25		4.90	.45	
		CORN-FIELD			5 bush or more	2½ bush. bag	1 bush.	½ bush.	1 peck	5 lb.	Postpaid 1 lb.
50	3300	Northwestern Dent	2½ bush.	25c	3.85	3.90	4.00	2.10	1.15	1.20	.35
50	3304	Improved Leaming Dent	2½ bush.	25c	3.65	3.70	3.80	1.95	1.05	1.20	.35
51	3221	Longfellow Yellow Flint	2½ bush.	25c	4.50	4.55	4.65	2.40	1.25	1.20	.35
51	3222	North Dakota White Flint	2½ bush.	25c	4.50	4.55	4.65	2.40	1.25	1.20	.35
	3224	Minnesota No. 13 Dent	2½ bush.	25c	See page 1 of Catalogue						
		BROME			100 lbs.		50 lbs.		25 lbs.	1 lb. Postpaid	
52	3247	Gold Standard	100 lbs.	50c	19.00		9.75		4.65	.45	
52	3248	Gilt Edge	100 lbs.	50c	18.50		9.50		5.00	.45	
		WESTERN RYE									
52	3245	Gold Standard	100 lbs.	50c	17.00		8.75		4.65	.40	
52	3246	Gilt Edge	100 lbs.	50c	16.00		8.25		4.40	.40	
52	3282	**BROME AND WESTERN RYE MIXED**	100 lbs.	50c	17.50		9.00		4.75	.40	
		TIMOTHY			100 lbs.		50 lbs.		25 lbs.	1 lb. Postpaid	
53	3243	Gold Standard	120 lb.	25c	$15.00		$7.75		$4.15	$0.40	
53	3244	Gilt Edge	120 lb.	25c	14.00		7.25		3.85	.40	
53	3284	Silver Standard—No. 1 Purity	120 lb.	25c	13.00		6.75		3.65	.40	
		KENTUCKY BLUE									
53	3249	Gold Standard	100 lb.	50c	45.00		22.75		11.75	.70	
53	3250	Gilt Edge	100 lb.	50c	43.00		21.75		11.15	.70	
		CANADIAN BLUE									
53	3251	Gold Standard	100 lb.	50c	24.00		12.25		6.40	.55	
53	3251A	Gilt Edge	100 lb.	50c	22.00		11.25		5.90	.55	
		RED TOP			100 lbs.		50 lbs.		25 lbs.	1 lb. Postpaid	
53	3252	Gold Standard	100 lb.	50c	29.00		14.75		7.65	.55	
53	3252A	Gilt Edge	100 lb.	50c	28.00		14.25		7.40	.55	
		MISCELLANEOUS GRASSES									
53	3236	O.K. Pasture Grass	100 lb.	50c	30.00		15.25		7.90	.60	
53	3241	Crested Dogstail	100 lb.	50c	43.00		21.75		11.15	.70	
53	3237	Orchard or Cocksfoot	100 lb.	50c	48.00		24.25		12.40	.75	
53	3238	Hard Fescue	100 lb.	50c	52.00		26.25		13.40	.75	
53	3242	Meadow Fescue	100 lb.	50c	45.00		22.75		11.65	.75	
		MILLET			100 lbs.		50 lbs.		25 lbs.	1 lb. Postpaid	
54	3232	Common—*Govt. Grade No. 1*	120 lb.	25c	5.50		3.05		1.65	.30	
54	3297	Early Fortune—*Govt. Grade No. 1*	120 lb.	25c	6.50		3.50		2.15	.30	
54	3231	Golden—*Govt. Grade No. 1*	120 lb.	25c	5.85		3.25		1.80	.30	
54	3235	Hog—*Govt. Grade No. 1*	120 lb.	25c	6.00		3.25		1.75	.30	
54	3233	Japanese—*Govt. Grade No. 1*	120 lb.	25c	9.00		4.75		2.65	.30	
54	3234	Siberian—*Govt. Grade No. 1*	120 lb.	25c	6.00		3.25		1.75	.30	
		CLOVER			100 lbs.		50 lbs.	25 lbs.	10 lbs.	1 lb.	Postpaid
55	3259	Common Red—Gold Standard	125 lb.	50c	$40.00		$20.50	$10.50	$4.50	$	.65
55	3260	Common Red—Gilt Edge	140 lb.	50c	36.00		18.50	9.50	4.10		.65
55	3270	Mammoth Red—Gold Std.	125 lb.	50c	40.00		20.50	10.50	4.50		.65
55	3271	Mammoth Red—Gilt Edge	125 lb.	50c	38.50		19.50	9.90	4.35		.65
55	3261	White Dutch—Gold Standard	140 lb.	50c	.....		.....	.....	8.50		1.00
55	3275	Alsike—Gold Standard	140 lb.	50c	40.00		20.50	10.50	4.50		.65
55	3276	Alsike—Gilt Edge	140 lb.	50c	38.50		19.50	9.90	4.35		.65
57	3273	Sweet White Blossom—Gold Std.	150 lb.	50c	21.00		10.75	5.50	2.60		.50
57	3330	Sweet Yellow Blossom—Gld. Std.	150 lb.	50c	21.50		11.00	5.75	2.75		.50
		ALFALFA			100 lbs.		50 lbs.	25 lbs.	10 lbs.	1 lb.	Postpaid
56	3253	Stock No. 3253	150 lb.	50c	38.00		19.25	9.90	4.30		.75
56	3255	Turkestan	150 lb.	50c	38.00		19.25	9.90	4.30		.70
56	3323	Montana	150 lb.	50c	50.00		25.25	12.90	5.50		.80
57	3320	Liscomb	150 lb.	50c	65.00		32.75	16.65	6.90		.90
57	3257	Grimm	150 lb.	50c	80.00		40.25	20.40	8.50		1.00

NON WARRANTY

While we (A. E. McKenzie Co., Ltd.) exercise care to have all seeds pure and true to name, we do not give, and our Employees and Agents are forbidden to give, any warranty, expressed or implied, as to purity, description, quality, productiveness, or any other matter of any seeds we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, we are to be at once advised, and money paid for same, including freight, will be promptly refunded.

A. E. McKENZIE CO. LTD., Brandon. Man.

1288—Giant Sunflower

A year ago we strongly advised Western farmers to make a trial seeding of Sunflower for the purpose of demonstrating its value for feed when used in the silo. We are glad to say that our suggestion was received in a manner exceeding our expectations. Our sales of Giant Sunflower were altogether beyond what we had anticipated but notwithstanding this all orders were promptly filled. Sunflower was tried out with uniformly satisfactory results in Manitoba, Saskatchewan and Alberta. Reports to hand indicate that it is likely to become an important factor in supplying suitable feed for Winter use.

Perhaps the two men who have contributed most to the introduction of this crop for silo purposes in Western Canada are G. H. Hutton of the C.P.R. and Prof. John Bracken lately of the Agricultural College, Saskatoon, and now of the Manitoba Agricultural College, Winnipeg. These men were so well satisfied that Sunflower would make good that they practically staked their reputation on it.

We feel confident that this year the acreage that will be sown under Sunflower will be largely increased. We do not suggest that Sunflower is going to take the place of Corn as we are firmly convinced that where Corn can be successfully grown and produces as heavy a weight as Sunflower per acre Corn is to be preferred, but certain districts in Western Canada where Corn is often a precarious crop and where it has been found that 25 tons of food can be harvested from Sunflower compared with possibly 14 tons from Corn, it goes without saying that Sunflower is to be preferred. Experiments have shown that its feed value is also unusually high so that there seems no reason whatever why it should not become a very important factor indeed.

We would suggest, however, the advisability of seeding a small area of Corn as well so that the Corn could be mixed with the Sunflower in the silo and where stock have been in the habit of using Corn it would more easily wean them from the one to the other.

See colored price sheet following page 48

POINTERS ON GROWING SUNFLOWER

QUANTITY TO SOW—10 to 12 pounds per acre.

HOW TO SOW—May be sown with an ordinary grain drill, provided some of the spouts are stopped so as to insure a distance of 30 to 36 inches between the rows.

WHERE TO SOW—Makes an ideal Summer fallow crop but can be sown in any soil not too badly infested with weeds.

WHEN TO SOW—May be sown any time in May, the earlier the better.

CULTIVATION—The method of cultivation to be practiced should be that adapted for Corn.

WHEN TO CUT—Should be cut when the seed reaches the milk stage.

HOW TO CUT—May be cut with a Corn binder and treated in the silo in the same way as Corn.

YIELD—25 tons to acre have been frequently obtained.

USES—For stock feeding, must be used in the silo. For poultry, just throw the heads to them, and use the stalks for kindling.

3280—Sudan Grass

A Great Drought-Resistant Hay Crop

We were the first to introduce this grass to Canada, it being offered in our catalog in 1916. From the very outset it has proved a decided acquisition, and our wisdom in recommending it has been fully justified. Our sales have increased by leaps and bounds, in fact although we have made a practice of substantially increasing our stocks year by year, as the expected demand seemed to warrant, we have invariably found that the demand exceeded the supply. This year we have the largest and best stock we have ever had, nevertheless we advise early ordering to avoid disappointment. Sudan Grass was first introduced to the American continent in 1909, being brought from Egypt, that ancient agricultural centre of the old world. It created quite a furore in the Southern States, where it thrives exceptionally well, giving three and sometimes four heavy crops per year, and being a strong competitor with other Sorghums to which class it belongs. Sudan is a tall annual grass, growing to a height of about 5 feet, easily cured and handled as a hay crop. It is eaten readily by all kinds of stock, and it can be safely fed to working animals without any harmful effects following.

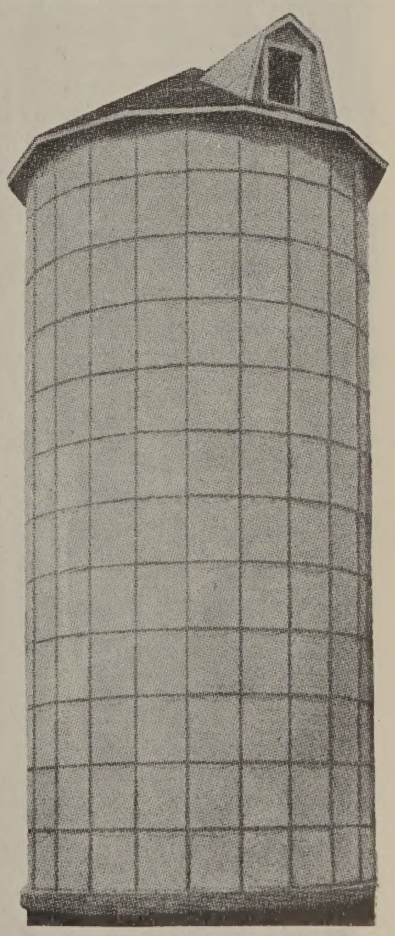
It should not be sown till late, after all danger fro late frosts is past. It seems to do best when the seed bed has been packed moderately firm. Should be sown at the rate of 20 pounds per acre.

It matures very rapidly, and will produce a heavy crop even under very dry conditions; for hay it should be cut just as the flower head forms, as at that period, it possesses the highest feeding value.

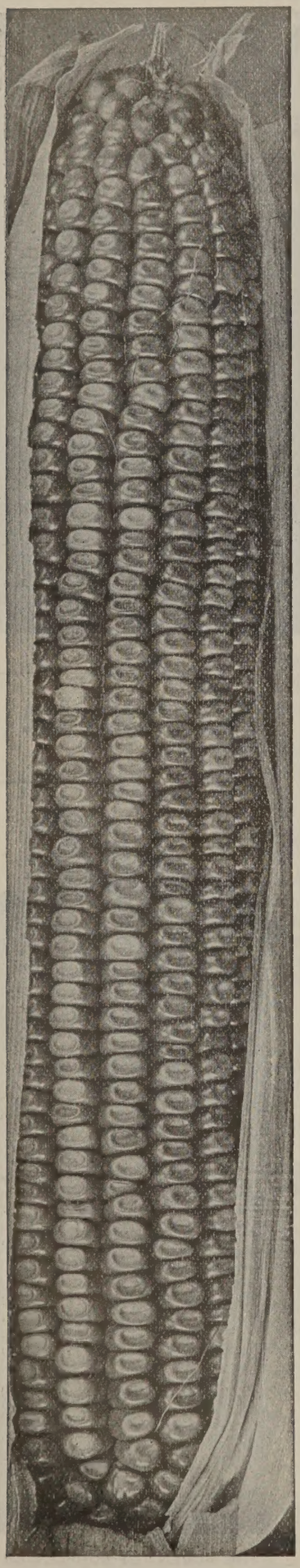
It is equally useful for pasture or hay, and, in a favorable season, may be used for both purposes.

See colored price sheet following page 48

The above photo was taken at the Experimental Farm at Brandon



THE ADVENT OF SUNFLOWER WILL MEAN SILOS SPRINGING UP ALL OVER THE COUNTRY



NORTH WESTERN DENT

Selected Corn

Corn as a Factor in Western Agriculture

The past season has again amply demonstrated the wonderful possibilities of Corn growing in this Western country, and it would seem to us that even the most skeptical must now be convinced that Corn growing can be successfully undertaken in an average season. Of course, we fully appreciate that there are seasons when the Corn crop will be a failure but the same remark applies to almost any other crop and aside from this, even in the Corn growing districts to the South of us, they occasionally experience a partial or a complete failure so this is no argument against its more extensive use

We have for many years specialized in varieties suited to Western needs and we recommend with perfect confidence, the selections that are herein described. They have been grown under conditions which insure hardiness and quick maturing and the varieties are such that will, under ordinary conditions, produce the largest amount of fodder, and cobs sufficiently developed to add materially to the feed value either in the silo or in the sheaf.

3300—Early Northwestern Red Dent

The popular and dependable variety, now in its twenty-fourth year and still going strong. This is still the most popular type grown in Western Canada and we see no reason why it should not continue to be so for many years to come, as it seems to measure up to all the requirements essential to successful Corn growing under Western conditions.

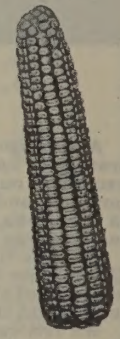
The stock we offer has been grown under exacting conditions, has been bred and selected bearing in mind the emphasizing of earliness, hardiness and productiveness. On an average we find that our stocks grow from a height of 6 to 7 feet while the ears are about 9 inches long and the cobs are produced from 24 to 30 inches from the ground.

See colored price sheet following page 48

3224—Minnesota No. 13 Yellow Dent

This variety produces a very handsome yellow dent cob. As its name indicates it is a product of the Minnesota Experimental farm and it has rapidly leaped into favor until today it constitutes a very good second to Northwestern Dent in popularity. Quite distinct from the Northwestern Red, it is a true dent variety, whereas Northwestern Red Dent is really a hybrid having both dent and flint blood in its veins. It is not quite so early as Northwestern Dent but produces a heavier crop of fodder and for silo purposes is unequalled.

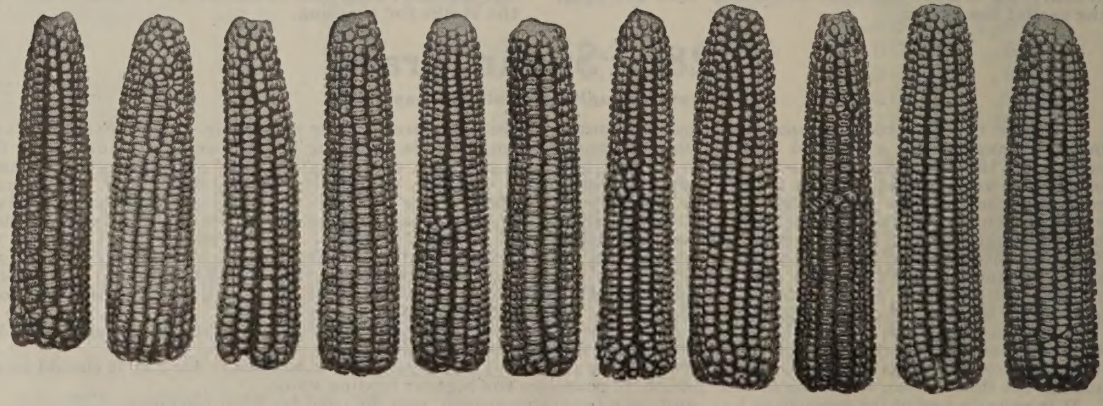
See colored price sheet following page 48



3304—Improved Leaming Yellow Dent

This is a larger growing, later ripening variety and is recommended by us for ensilage purposes or for cutting for green fodder in the latter part of Summer. By growing some of this variety and mixing with the other types, a larger average yield per acre is obtained without in any way endangering the quality or the food value.

See colored price sheet following page 48



MINNESOTA NO. 13

Corn—the King of Fodder Plants

3221—Longfellow Yellow Flint

Grow More Corn

The flint varieties of Corn will always be in demand in Western Canada owing to their exceptional hardiness and due to the fact that they are less affected by frosts. In fact they will persist repeatedly even if frozen almost to the ground. The plant will come up again under conditions that would totally destroy the dent varieties; not only so but Longfellow will grow a heavier bulk of fodder. We have been advised of instances where the stock grew to a height of nine feet.

Longfellow is an eight-rowed variety with long well shaped ears averaging nine inches, produced about 3 feet from the ground. The foliage is leafy and succulent.

See colored price sheet following page 48

3222—North Dakota White Flint

This is a very distinct type of Corn producing cobs of a pearly whiteness. It is a selection from one of the old Indian types and possesses the hardiness which distinguishes these native varieties. In this particular respect it rivals the famous "Squaw." It is not quite so early but produces far more fodder and a much larger crop.

It grows from 5 to 6 feet high, the ears being borne 3 feet from the ground. It is exceptionally early; in fact, it can rightly be described as the earliest Field Corn in cultivation, and can be depended upon to produce cobs practically every season, as well as a fair amount of useful fodder.

See colored price sheet following page 48

Pointers on Corn Growing

Soils and Their Preparation. Fine crops of Corn can be grown on any good soil except new breaking.

Summerfallow. Deep plowing, early in June is desirable, and frequent cultivation during Summer. To eliminate weeds and maintain a surface mulch, plow again in the Fall about 6 inches deep, harrowing before freezing up.

During Winter cover with well-rotted manure, about twelve good loads per acre. In early Spring harrow while manure is still frosty and lumpy. When the soil will permit discing do so.

Pasture or Meadow Land which has been sown with cultivated grasses, should be broken early in the Spring to a depth of about 6 inches, and properly prepared for seed with discs and harrows.

Weed-Infested Land. Plow and harrow early, to start the weeds, working the surface freely until about May 20th.

Seeding and Cultivation. Corn should not be sown before the 15th of May and nearer the 25th is usually better.

Sow in Corn drills 36 inches apart, about two inches deep. Three or four stalks to the hill give best results.

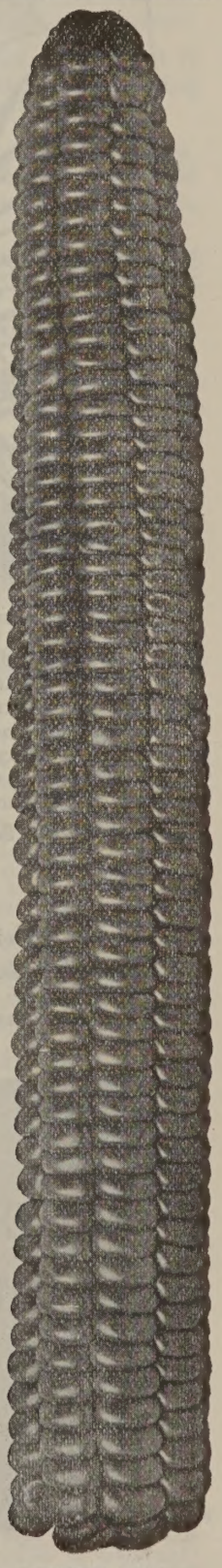
An ordinary wheat drill answers the purpose by closing some of the spouts.

Regulate and test the flow on the barn floor or any hard surface before sowing. From 20 to 28 lbs. is ample to seed an acre.

Cultivation is the secret of success in growing Corn.

Cultivate shallow; deep cultivation destroys the surface roots. The drier the weather the more cultivation.

ABUNDANCE OF USEFUL FEED



LONGFELLOW

Grasses for Pasture and Hay

BROMUS INERMIS

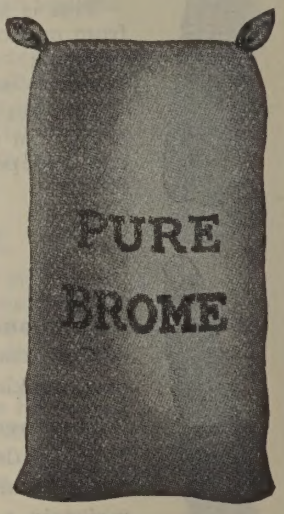
The demand for Grass Seeds for some seasons has been quite unusually heavy, generally far exceeding the supply, and with the reduced prices this season we expect the demand will be larger than ever. In the first place the price of hay and feed stuffs, being still above normal, demands that as much feed as possible be produced on the farm, and aside from this the condition of large areas demands the introduction of fibre if these lands are ever going to be restored to their normal fertility, and no better way of accomplishing this can be used than seeding said lands to some useful grass or combination of grasses.

We strongly recommend for Western Canada, Brome and Western Rye or a mixture of the two, or, where moisture is abundant, the inclusion of Timothy also is desirable.

The stocks we offer have been cleaned in a most exacting manner, not only have the useless and in many instances harmful weeds been eliminated, but all light chaffy seeds have also been removed so that a strong uniform growth may be expected which will produce an abundant hay crop, or if desired, good profitable pasture.

Frost-Resisting Drought-Defying Brome (Bromus inermis)

Pre-eminently the Grass for the Canadian West



There is more Brome seeded each year in Western Canada than any other grass seed. Ever since its introduction into Canada over 21 years ago the demand has steadily increased, and today it is considered to be the leading grass. The reasons for this are readily explained by:

(1) **Its ability to withstand sudden climatic changes—no amount of cold seems to kill it.**
(2) **Its phenomenal drought-resisting qualities.**
(3) **In dry Summer it produces more green food than any other grass.**
(4) **Will thrive on loose and poor land.**
(5) **Especially valuable for seeding down light soil in this Western Country which is subject to "blow."**
(6) **Flourishes under unfavorable conditions better than any other grass.**

(7) **It is considered the best grass for pasturage purposes; is better adapted as a pasture grass than for hay.**

Its further usefulness is fully demonstrated by its adaptability to any soil, and its indifference to the tramping of cattle makes it especially important in sandy and gravelly pastures.

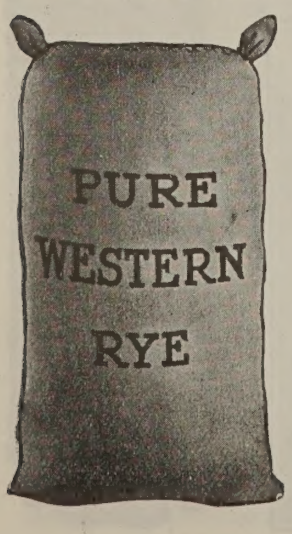
Fourteen pounds is the quantity recommended per acre when sown alone for pasture; or seven and a half pounds each per acre of Brome and Western Rye will make a fine mixture for hay. May be sown any time up to 1st September if there is sufficient moisture and the ground is in shape. Brome seed is exceedingly difficult to clean. Specially adapted machinery and years of experience have enabled us to overcome many difficulties, and the seed we are sending out this year is the best yet, of exceptional purity and high vitality.

3247—Gold Standard—*See colored price sheet following page 48.*

Easily Sown Easily Grown Easily Mown Western Rye (Agropyrum tenerum)

The Well Known Bunch Grass of the North-West **Known in some districts as Slender Wheat Grass**

A native of Manitoba, originating over 21 years ago near Virden. It thrives anywhere and everywhere. There are many farmers who would not be without from 25 to 75 acres, and its cultivation is becoming more general every year. Western Rye grass is least affected of any grass when grown on alkali soil. It is valued most for its abundance of nutritious hay. Yields from 1 to 3 tons per acre.



Should be sown 15 pounds to the acre. Although it affords excellent pasturage sown alone, but not as good as Brome alone, for permanent pasture it is by all means preferable that it be sown with Brome, about 7½ pounds to the acre. Fifteen pounds sown with 2 pounds of Alsike and 2½ pounds of Red Top a particularly fine permanent pasture can be established.

Many farmers desire or prefer to secure a grain crop the season the grass is sown; for this reason they sow Western Rye with a nurse crop of grain. When sown alone continues for years to yield greater than when sown with a nurse crop.

The light chaff-like seed is extremely difficult to clean. Having the finest equipment and most improved machinery enables us to make our stock the finest and purest in the West; free from noxious weeds and of highest germination. Land sown with Western Rye grass and mown for 2 or 3 years, if broken up, will be found to be sweet and clean, almost like new breaking.

3245—Gold Standard
3246—Gilt Edge } *See colored price sheet following page 48.*

Brome and Western Rye Mixed

Brome Grass when sown alone for hay purposes grows so prolific as to render curing difficult— therefore Western Rye produces a plant which, while considerably different from Brome, is a splendid seed for mixing with Brome for Hay purposes only.

Our equipment includes a specially designed mixing machine which ensures uniform distribution when the seeds are sown. For pasturage purposes it is preferable to seed Brome alone.

3282—*See colored price sheet following page 48.*

For Prices see colored price sheet following page 48

Timothy (Phleum pratense)

One of the most valuable grasses. Of great nutritive value, very productive. The seeds being very small and produced in great abundance its cost is the most economical of any grass. Animals have a particular fondness for it. It is a perennial and perfectly hardy throughout Western Canada. Grows in stools, never forms a compact sod. It attains perfection on rich clay and loam, in fact is better adapted to heavy than sandy soils; to moist, than dry localities

Timothy withstands extremes of cold. It is not recommended for permanent pasturage owing to its tendency to run out in a few years.

Succeeds equally well with or without a nurse crop of grain. Six pounds sow an acre. Sown alone, or with Red Clover, Timothy produces an exceptionally fine quality of hay, and for this purpose is extensively sown, although other grasses, particularly Brome, make better pasture.

Quite a large percentage of the Timothy produced in Western Canada in 1920 was hulled at harvesting, but this does not impair the stock for seed purposes. Our Silver Standard is number 1 for purity.

Our stocks are exceptionally choice, plump, clean and high germination.

3243—Gold Standard
3244—Gilt Edge
3284—Silver Standard—No. 1 for Purity

See colored price sheet following page 48.

Kentucky Blue

(Poa pratensis)

Sometimes called June Grass

To obtain a satisfactory growth of this grass it is essential that a well prepared seed bed be available and we only recommend its use in favored situations. We mention this so that it will be thoroughly understood that it is not in the same class for general use in the West as Brome or Western Ryegrass for instance. Where suitable conditions are available this grass will produce an excellent pasture of a beautiful verdant green, particularly desirable for sowing on a pasture field near the home where appearance counts for something. The creeping underground stems enable it to withstand great drought, and its permanency is undoubted.

3249—Gold Standard—*See colored price sheet following page 48.*

Red Top

(Agrostis vulgaris)

Also Known as Herd's Grass

This is especially valuable sown in mixture with Timothy, Brome, Western Rye, or Clovers, as it is of a more permanent nature than other grasses. Should be fed close, as cattle relish it more as a pasture than hay. It is very robust growing and establishes a protection growth for other grasses.

Grows most luxuriantly on moist, rich soils. It will produce a Fall crop on coarse gravelly land and has succeeded on Alkali land when other grasses have failed.

3252—Gold Standard—*See colored price sheet following page 48.*

3241—Crested Dogstail

(Cynosurus cristatus)

A very useful grass for sheep pastures and lawns as it makes close, fine and compact growth.

3237–Orchard or Cocksfoot

(Dactylis glomerata)

A very common species growing in almost all soils. Though it looks coarse, it is one of the earliest, most productive, nutritious, and valuable of the cultivated grasses and it comes quickly to perfection.

3239—Sheep's Fescue

(Festuca ovina)

Being similar in many respects to Hard Fescue this grass is used for the same purpose.

Canadian Blue

(Poa compressa)

Very similar to Kentucky Blue, but grows coarser and the stem is more flattened. It can be grown on poor soils where Kentucky would not thrive; even on hard clay soils it will produce a luxuriant growth. Grows about two feet high. Makes exceptionally fine hay, greatly relished by stock of all kinds.

We do not recommend it for general use, like Brome, Western Ryegrass or Timothy; like Kentucky it is essential that the seed bed be more carefully prepared than is necessary for coarser grasses.

3251—Gold Standard—*See colored price sheet following page 48.*

Meadow Fescue or English Blue

(Festuca pratensis)

Specially recommended for permanent pasture. It makes excellent hay, the leaves or herbage being succulent and tender. One of the most valuable grasses either for mowing or pasture, as it is very productive and the fodder good. Roots penetrate deeply. It withstands freezing very effectively.

3242—Gold Standard—*See colored price sheet following page 48.*

McKenzie's "O.K." Pasture Mixture

This specially prepared mixture is the outcome of many years practical observation and will bring quick and certain results. It is composed of the most nutritive and productive species of Grasses suitable for laying down land to permanent grass, and the quantity of each carefully regulated with the object of forming pastures that will yield in the shortest time after being laid down (and without any subsequent deterioration) the heaviest crops during the whole of each growing season. It thrives under the most severe climatic conditions and will withstand the ravages of both weather and stock. This mixture makes a crop of hay that is hard to excel.

3236—Gold Standard—*See colored price sheet following page 48.*

3238—Hard Fescue

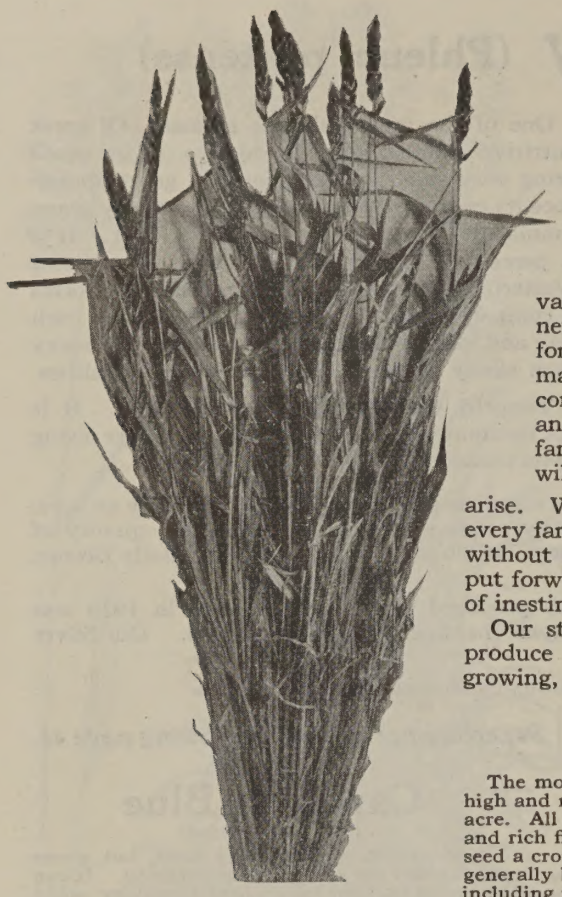
(Festuca duriuscula)

Adapted to a great variety of soils but is most prevalent in those that are light and sandy. It possesses the quality of withstanding, in an exceptional degree, drought in Summer and severe cold in Winter.

3240 Wood Meadow

(Poa nemoralis)

Starts into growth early in the Spring, the sward maintaining its green appearance until late in the year. Of dwarf and very fine growth.



JAPANESE

Millet

Millets are productive, short season annuals, and are exceedingly useful for seeding either where other crops fail or where it has been impossible, owing to shortage of labor or other causes, to get anything else seeded in time for the production of a crop. For this reason these Millets might be very aptly described as "catch crops."

While the Siberian, Common, Hog, Golden and Early Fortune varieties may be satisfactorily grown for the production of seed, nevertheless their most useful purpose is to be used either for hay or for pasture for which they are admirably suited. They grow and mature very rapidly and will produce a crop under exceedingly dry conditions. We find that Millet is gaining in popularity by leaps and bounds—we believe that the time will soon come when every farmer will include Millet in his annual order for seed, so that there will be some on hand to seed down at short notice should the occasion arise. We believe we would be taking a right attitude it we recommend every farmer in the West, who has stock to feed, to adopt this plan as it goes without saying that oftimes if the seed were available an effort would be put forward to prepare an extra plot of land, the results of which would be of inestimable value in the course of a season.

Our stocks of Millet are selected from the very best districts which produce high grade seed of strong vitality so that stocks will be quick growing, full of life and vigor.

3232—Common or White

The most popular and generally used variety. Usually grows from 2½ to 4 feet high and makes excellent hay. Should be sown at the rate of from 20 to 30 lbs. per acre. All kinds of stock relish and eat greedily of this grass and its luxurious growth and rich flavor make it a most desirable feed for dairymen. If allowed to ripen for seed a crop of 60 to 80 bushels per acre is not unusual, this, if sufficiently clean, can generally be sold for seed, but if not it provides profitable feed for all kinds of stock, including poultry.

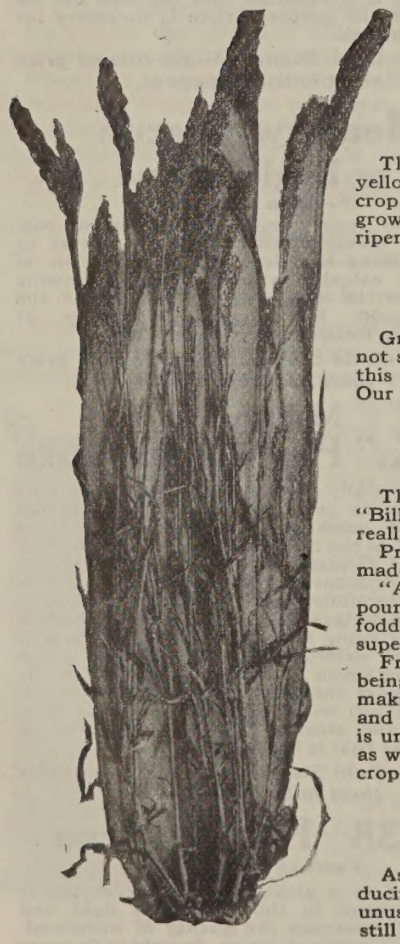
See colored price sheet following page 48.

COMMON

3297—Early Fortune

An extra early variety claimed to be entirely rust proof, impervious to disease. This variety will head in from 25 to 30 days and gives a large yield of both seed and fodder. Experience has proved that it may be fed to horses and other stock without injury even when cut so late that the seed has formed. The seed is a beautiful red color and is much larger than Golden or Common.

See colored price sheet following page 48.



HOG

3231—Golden

This is one of the earliest of the fox tail Millets. The seeds are small, of a golden yellow color. 20 lbs. of seed is ample to seed an acre. It makes an excellent hay crop, yielding from 4 to 5 tons per acre, growing to a height of fully five feet. Can be grown successfully either for hay, silage, or if desired, the seed may be allowed to ripen and be threshed when it will provide excellent feed.

See colored price sheet following page 48.

3235—Hog or Broom Corn

Grown particularly for Hog and Poultry feed. For hay and fodder purposes it is not so satisfactory as some of the other types but it produces a larger seed and for this reason is more desirable for the production of grain for Poultry or Hog feed. Our stock is exceptionally fine, free from weed seeds and of strong vitality.

See colored price sheet following page 48

3233—Japanese

This variety has been given many high sounding names such, for instance, as "Billion Dollar Grass" and "Barnyard Millet." no doubt because of the fact that it really does produce a marvelous crop.

Professor Brooks, of the Massachussetts Experiment Station, is reported to have made the following statement in regard to this Millet, viz:

"At our station it produces 60 bushels of seed, 11,297 pounds of straw, 36,000 pounds of green fodder, 12,000 pounds of hay per acre, being superior to good corn fodder in feeding for milk, and in combination with the soya bean makes a very superior ensilage."

From this record it will be readily seen that the possibilities of a profitable crop being grown from this seed are wonderful. During the past season we saw this plant making splendid growth in the vicinity of Brandon. Part of the crop was not cut and was allowed to produce seed which was ripened satisfactorily. This, however, is unusual and we do not recommend the growing of the Japanese variety for seed, as we feel that it can only be depended on, one year with another, to produce a hay crop or green fodder for ensilage. In an ordinary season it would not ripen seed.

See colored price sheet following page 48.

SIBERIAN

3234—Siberian

As its name indicates, this is a native of Russia and is peculiarly adapted for producing seed in the northern sections of the country. It is extremely hardy, an unusually heavy yielder, maturing very quickly so that it can be sown late and can still be depended upon to produce a satisfactory and profitable crop.

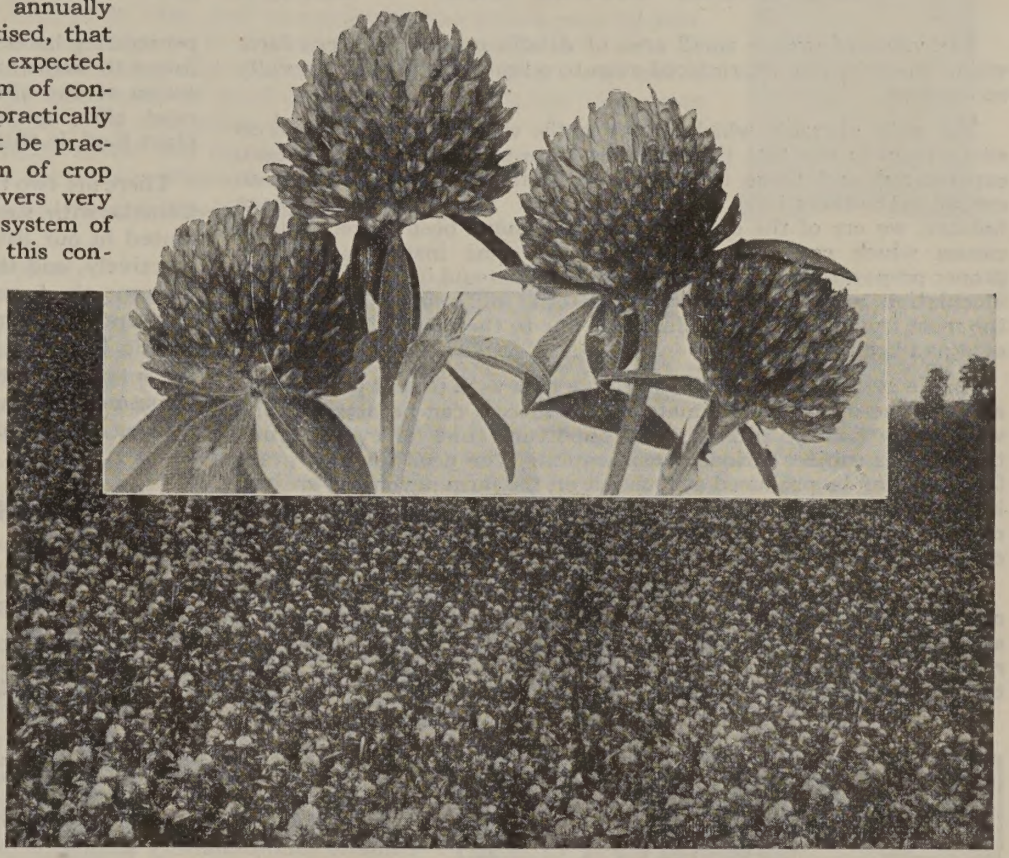
See colored price sheet following page 48.

McKenzie's High Grade Clover Seeds

Sowing Clover in Western Canada

Seeding of Clovers in Western Canada is annually becoming more extensively and generally practised, that this will continue and expand is naturally to be expected. It goes without saying that the present system of confining the farming methods exclusively to practically one crop, whether it be Wheat or Oats, cannot be practised indefinitely and a more diversified system of crop rotation must inevitably be resorted to. Clovers very naturally adapt themselves to any well defined system of crop rotation. We have long recognized that this condition must sooner or later, have to be faced by Western farmers and we believe that the present time is opportune in view of the fact that not only are prices of grains on the decline, but prices of Clovers and other seeds have also been materially reduced. This, in the first place, enables seeding to be accomplished at a lower expense than could have been done a year or two ago and the lower prices, which must inevitably be expected for grain crops, necessitates an intelligent and determined effort to produce large crops so that the total revenue per acre will not be materially diminished.

We specialize in Northern grown Clovers, nothing else will suit the Western provinces. Southern grown seed can be obtained at lower prices and the purity and germination may be higher than the Northern grown seed but this is no criterion as to its value. We, therefore, caution our customers when buying to be sure that they obtain Northern grown stocks.



MEDIUM OR COMMON RED CLOVER

Common or Medium Red

(Trifolium Pratense)

This is, without doubt, the best type of Red Clover to use for all round purposes. It will grow and produce a fair crop under varying conditions and yields upwards of three tons cured hay per acre, and is also excellent for seeding in combination with Timothy or Western Rye grass. Much relished by stock either as hay or for pasture.

3259—GOLD STANDARD
3260—GILT EDGE

See colored price sheet following page 48.

Mammoth Red

(Trifolium Pratense)

This Clover grows a larger plant than the medium or Common type but is later coming into maturity. It is sometimes preferred to Common for pasture purposes; is also an excellent soiling crop adding not only nitrogen but also humus to the soil when plowed in.

3270—GOLD STANDARD.

See colored price sheet following page 48.

White or Dutch

(Trifolium repens)

The most valuable Clover for pasture purposes. Will stand continuous grazing better than any other variety. It is of a low growing, spreading habit, and is not well adapted for hay, but should be included in all pasture mixtures. Two or three pounds of seed scattered over the bare spots in a pasture, that is getting thin, will greatly improve its condition very quickly, and the improvement will be of a lasting nature. On account of its deep-rooting habit, it will thrive under dry conditions, and is exceptionally hardy.

3261—GOLD STANDARD
3272—GILT EDGE

See colored price sheet following page 48.

Alsike or Swedish

(Trifolium Hybridum)

Perhaps the feature which distinguishes Alsike most from other varieties is its adaptability to succeed in heavy, wet land. Even where there is a trace of acidity in the soil where other clovers would not grow, Alsike will produce a crop. It should be included in all mixtures sown on reclaimed sloughs, even if occasionally covered with water, provided it is not submerged too long. Valuable alike for hay or pasture, very rarely Winter killed. A mixture of Alsike, Common Red and Timothy, yields an excellent hay crop.

3275—GOLD STANDARD
3276—GILT EDGE

See colored price sheet following page 48.

For White Blossom Sweet Clover see page 57.

McKENZIE'S PURE ALFALFA SEED

Alfalfa and its Value in Western Canada

The value of even a small area of Alfalfa on any Western farm where stock feeding is practiced even to a limited extent is generally recognized.

The only obstacle which stands in the way of its being sown on every farm is the fact that failures have in many instances been experienced, and these failures have been advertised to such an extent that others have been discouraged. While there have been failures, we are of the opinion that these have been largely due to causes which could be controlled. In some instances possibly proper preparation of soil was not undertaken and in other instances inoculation would have made a material difference and possibly the most fruitful cause of failure was due to the fact that unsuitable seed had been sown.

Ample evidence is available to prove that with proper preparation and the use of hardy acclimated seed, success can be attained and we believe that the present is an opportune time for every farmer to give this subject serious consideration. The need for high grade feed that can be produced at low cost on the farm never was greater, in view of the fact that prices are on the down grade and overhead costs will not decline concurrently and in consequence a determined effort must be made to offset this situation.

The root system of Alfalfa represents one of nature's most marvellous phenomena. The illustration naturally only gives a suggestive idea of how this root system really develops, as in the removal from the soil, the smaller roots and the nodules containing the nitrogen-gathering bacteria were left in the soil. The deep penetrating habit of the root enables the plant when once established to withstand periods of drought, and combined with the action of the nitrogen-gathering bacteria, constitutes one of the most effective fertilizing and soil-building factors, providing plant food, in the most readily available form.

There are two types of Alfalfa which have been used in Western Canada with success: the Common or Blue flowered, represented in our list by Stock 3253, Turkestan and Montana, respectively, and the variegated type represented by Liscomb and Grimm; the former being taller growing and more adapted for hay, and where it is not intended to leave the area sown under Alfalfa for any length of time we recommend this type. Where the intention is to seed down an area permanently we strongly recommend the use of the latter type, as it is undoubtedly much hardier and less liable to be winter killed.

Stock No. 3253 (Medicago sativa)

This variety is very popular in Western Canada; it is a very rapid and tall grower and provides unusually heavy tonnage per acre, the hay being of excellent quality and easily cured.

See colored price sheet following page 48

SHOWING STRONG ROOT SYSTEM OF ALFALFA

3255—Turkestan (Medicago sativa)

This stock, as its name implies, was produced in Turkestan in Asia Minor under climatic conditions very similar to those experienced in Western Canada, and it has proved to be a very useful and popular variety. We have distributed a very large quantity of this seed throughout Western Canada during the past few years and the results have been uniformly satisfactory. We recommend Turkestan with absolute confidence. The seed is quite distinct in appearance from seed produced on this continent, being covered with a dull "sheen" or "bloom" so that genuine Imported Turkestan can always be readily distinguished.

Being produced under very adverse conditions the seed very often does not have as attractive an appearance as American grown seed but the vitality and constitution are there, which after all are the main characteristics desired.

See colored price sheet following page 48

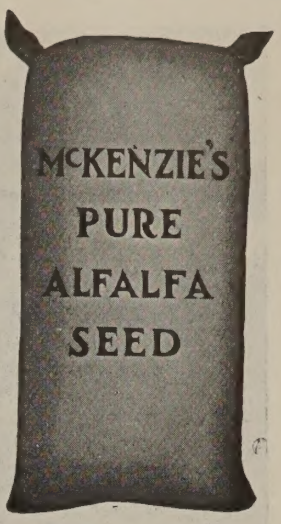
3323—Montana (Medicago sativa)

This is really the Common or Blue flowered type, the seed of which was produced in the State of Montana, where practically the same rigorous conditions in regard to climate prevail as are experienced in Western Canada. The Montana-grown seed is always in demand and gives results that are entirely satisfactory. The seed we offer has been recleaned in our own cleaning plant in a very exacting manner enabling us to distribute seed of high quality.

See colored price sheet following page 48

Grow Alfalfa

Hardy Alfalfa Seed



Alfalfa—Variegated Types

3320—Liscomb (Medicago media)

We first introduced this variety to Western Canada in 1916, and its popularity has grown, year by year, as its advantages and suitability to Western needs became known by the experience of actual users.

The passing of years has afforded very convincing evidence that it is very closely allied to the well known Grimm variety and equally as hardy. It takes its name from the ranch in Montana where it has been grown continuously for the last thirty-five years, the original stock seed being imported from Europe. Its persistence during all these years is ample evidence of its hardy nature and the assurance that under proper conditions of cultivation and preparation of the land it will not readily Winter kill.

See colored price sheet following page 48

3257—Grimm (Medicago media)

The history of this variety is so well known that it seems superfluous to make any reference to it so far as to say that its undoubted hardiness and suitability for North-Western conditions makes it rank as the leading type. Its popularity has resulted in seed of doubtful origin being distributed, and disappointment and failure has been the natural result. We aim to obtain our supplies from reliable sources, so that it is absolutely certain that we are obtaining the true Grimm variety produced under climatic conditions, which ensures the maintenance of its hardy nature and consequent suitability for Western needs.

See colored price sheet following page 48

WHITE BLOSSOM SWEET CLOVER

Sweet Clover

3273—White Blossom Sweet Clover

(Melilotus alba)

White Blossom Sweet Clover has risen into favor in a most remarkable and rapid manner, more particularly in view of the fact that there was a decided prejudice against its introduction. Many well known agriculturists declared emphatically that its general use would eventually bring disaster to the country. The history of this plant just goes to show that it is unwise sometimes to come to a decision without the subject in question being put to exhaustive tests.

Sweet Clover is now considered one of the best forage plants for the West, being useful either for hay or pasture. It is not really a Clover but is more closely related botanically to Alfalfa, in fact, it is sometimes referred to as Alfalfa's Twin Sister. At the present rate of progression it bids fair to become a rival to Alfalfa in usefulness and value and also in the extent to which it will be used in Western agriculture.

It has been found by experience that it can be grown successfully where Alfalfa has failed, and it has also been found that it has made possible the growing of Alfalfa after the soil has become inoculated with the Bacteria which is produced so freely on the roots of Sweet Clover plants. White Blossom Sweet Clover is a biennial and if it is desired to discontinue it, it is very easily got rid of.

It has been found to be invaluable as a rejuvenator of worn out soils.

Summing up the situation after very exhaustive research of the whole country, we unhesitatingly recommend White Blossom Sweet Clover either for pasture, hay or silo. It will produce a heavy weight per acre and will pasture a larger number of stock than any other plant. It can be sown either alone or with a nurse crop which ever is preferred. This particular stock of seed was grown in Western Canada.

See colored price sheet following page 48

3330—Yellow Blossom Melilotus officinalis

Earlier than the white variety, and considered by some to yield better hay and pasture, but not such a heavy cropper.

See colored price sheet following page 48

White Annual Sweet Clover

This seed was introduced by Prof. Hughes of Ames, Iowa University, abou three years ago, a single plant being selected from a large plot and carefully reproduced each year. Naturally the supply of this seed is extraordinarily limited.

Of course as the name implies it is an ANNUAL which is the chief reason for its great value. As a hay crop or for pasture it does not surpass the ordinary white biennial which has been grown with such success recently in Western Canada. Prices on application.

Inoculating Bacteria

Price one bottle $1.00, 5 bottles $4.50, postpaid

The cultures distributed by us for the past two years have proven very satisfactory. We have them prepared in the Laboratory, just as we require them consequently they are always fresh. This is a most important factor.

The cultures are put up in wide-mouthed bottles, each containing sufficient for 60 lbs of seed. No harm will result if it is all used on a less quantity.

As all Legume crops benefit by inoculation, we are prepared to supply cultures for the following:—Alfalfa, Clovers, Beans, Vetches, Peas. When ordering state what Legume you desire to inoculate.

The Flower Beds illustrated above are mostly composed of Hardy Annuals which are easily raised from seed at a trifling expense.

McKenzie's Flower Seeds

Selected for the West

Beautify Western Homes: Make the Garden Gay

A few dollars invested in planting trees and flowers round a home, is a mighty good investment; they may not pay dividends in dollars and cents, but they do pay, and pay well in a very real sense.

Showy Flowers for Backgrounds and Borders

Achillea
Antirrhinum
Anthemis
Aquilegia
Arctotis
Campanula
Canterbury Bell
Carnation
Celosia
Centaurea
Chrysanthemum
Coreopsis
Delphinium
Dimorphotheca
Gaillardia
Helianthus (Sunflower)
Hollyhock
Kaulfussia
Kochia
Larkspur
Lathyrus latifolius
Lupinus
Linum
Lychnis
Malope
Marvel of Peru
Nicotiana
Nigella
Pentstemon
Platycodon
Ricinus
Rudbeckia
Salpiglossis
Scabiosa
Schizanthus
Silene
Statice
Stocks
Stokesia
Sweet Sultan
Sweet William
Vinca

Flowers for Bouquets

Asparagus
Asperula
Aster
Chrysanthemum Maximum
Chrysanthemum New Perennial
Carnation
Cosmos
Gypsophila
Honesty
Nigella
Ornamental Grasses
Schizanthus

Plants for Hanging Baskets, Vases, Verandah Boxes, etc.

Asparagus Sprengeri
Abronia umbellata
Convolvulus Mauritanicus
Geranium
Heliotrope
Lobelia Tenuior
Nasturtium Dwarf
Schizanthus
Thunbergia

The undernoted tables show the *varieties* suitable for *special purposes.* **Annuals** grow from seed, bloom and die the first season. They give best results if started in shallow boxes about four weeks before time for outdoor transplanting. **Biennials** bloom the second season, then die. **Perennials** bloom the second season and continue to grow and bloom for many years. Upon every packet of seed we supply will be found full cultural instructions.

Abbreviations—The initials bear the following significations:

H.A.—Hardy Annuals. H.H.P.—Half Hardy Perennials. H.H.A.—Half Hardy Annuals. H.C.—Hardy Climbers. H.B.—Hardy Biennials. H.H.C.—Half Hardy Climbers. H.P.—Hardy Perennials. G.P.—Greenhouse Plants.

Climbing Plants

Balloon Vine
Canary Bird Creeper
Coboea Scandens
Convolvulus major (Morning Glory)
Dolichos
Humulus
Momordica Balsamina
Nasturtium Tall
Nasturtium Lobbianum
Sweet Peas
Thunbergia
Wild Cucumber

Flowers for Potting

Abutilon
Asparagus
Begonia
Calceolaria
Carnation
Cineraria
Coleus
Fuchsia
Geranium
Gerbera
Primula
Solanum

Showy Flowers for Beds and Massing

Aster
Calliopsis
Calendula
Dahlia
Dianthus (Pinks)
Eschscholtzia
Gaillardia
Godetia
Hunnemannia
Mignonette
Marigold
Nasturtium Dwarf
Nemesia
Petunia
Phlox
Poppy
Pyrethrum hybridum
Verbena
Virginian Stock
Zinnia

Flowers for Cutting, Suitable for House Decorations

Achillea
Anthemis
Aquilegia
Arctotis
Asters
Calliopsis
Campanula
Centaurea
Chrysanthemum
Cosmos
Dahlia
Delphinium
Dianthus
Dimorphotheca
Eschscholtzia
Gaillardia
Helianthus (Sunflower)
Hunnemannia
Larkspur
Marigold
Mignonette
Nasturtium
Ornamental Grasses
Pansy
Pentstemon
Platycodon
Pyrethrum hybridum
Rudbeckia
Scabiosa
Schizanthus
Statice
Stevia
Stocks
Stokesia
Sweet Peas
Zinnia

Flowers for Cemetery

Alyssum
Aster, white
Bellis perennis Mammoth White
Campanula persicifolia alba Backhousiana
Chrysanthemum maximum
Candytuft Empress
Chrysanthemum New Perennial
Geranium
Pansy
Phlox, white
Stocks 10 weeks, white
Vinca alba

Flowers for Edging

Ageratum
Alyssum
Arabis Alpina
Bellis perennis
Forget-me-not (Myosotis)
Lobelia
Marigold, Legion of Honor
Pansy
Portulaca
Pyrethrum aureum
Verbena erinoides

Flowers for Wreaths and Winter Bouquets

Acroclinium
Helichrysum
Rhodanthe
Xeranthemum

Giant Spencer or Butterfly Sweet Peas

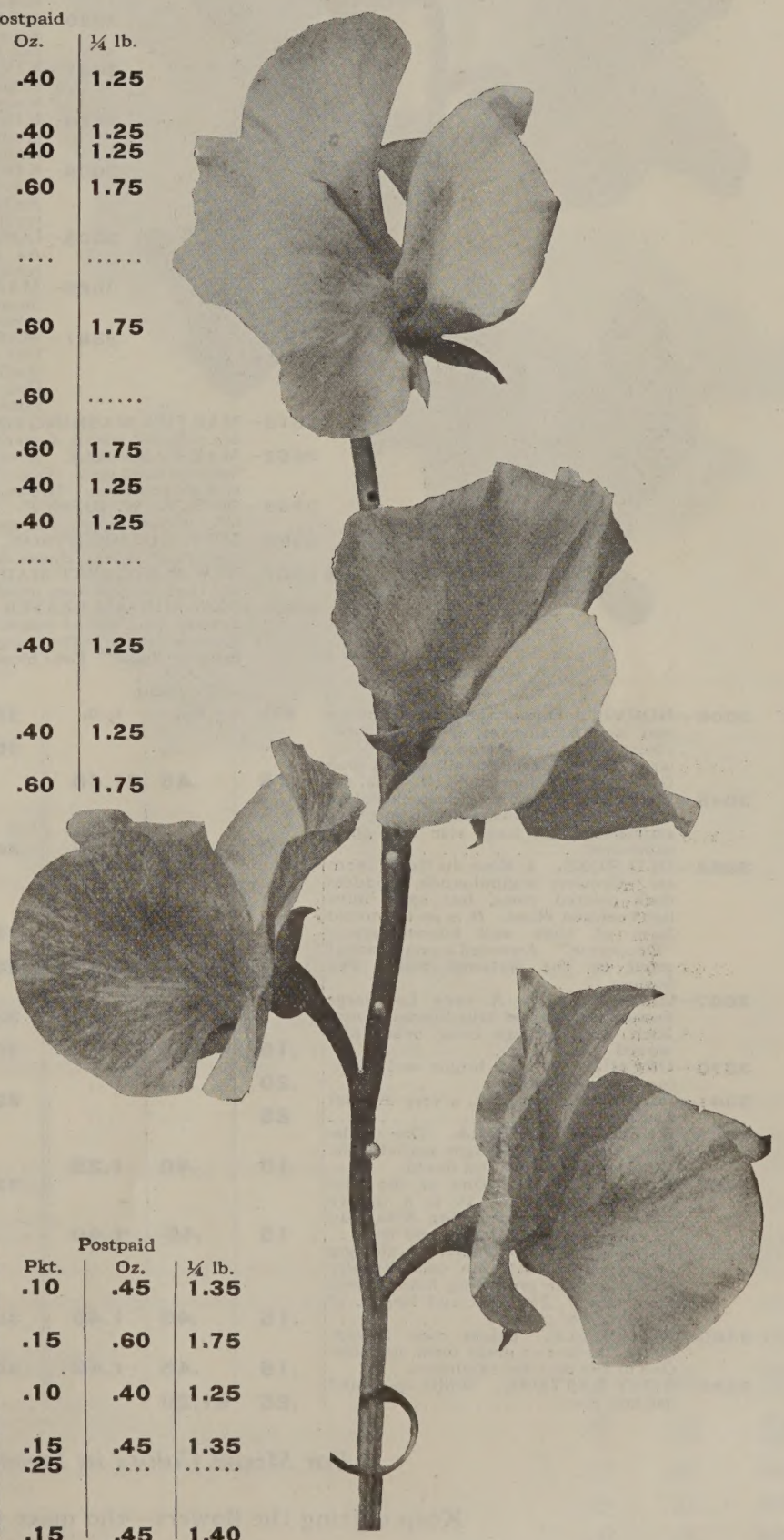
These lovely aristocrats of the Floral Kingdom still hold sway. This year we are introducing more of the newer varieties than we have ever done before. Owing to the unfavorable season for saving Sweet Pea seed, especially of the finer sorts, this has been a formidable task. We are glad, however, to offer to lovers of this beautiful flower, a selection of the very best varieties, recent introductions from two continents.

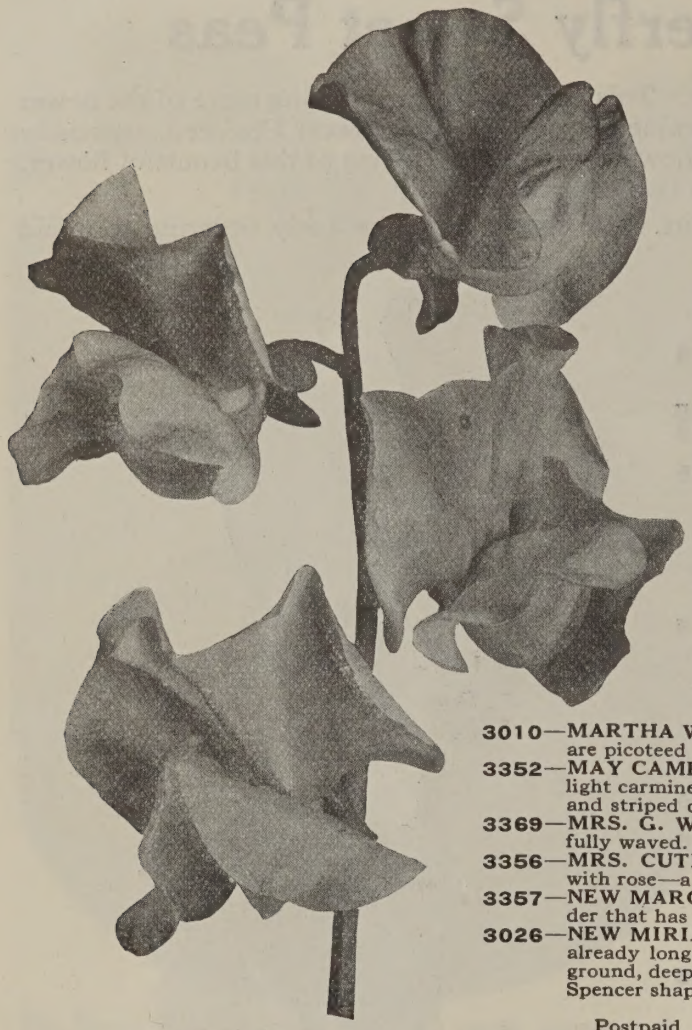
Supplies are very short and cannot be replaced when sold out. We therefore advise early ordering to avoid disappointment.

		Postpaid		
		Pkt.	Oz.	¼ lb.
3044	**AFTERGLOW.** A fascinating color difficult to describe, standard is bright violet with a shading of rosy amethyst, wings more of an electric blue	.10	.40	1.25
3000	**ALFRED WATKINS.** A pure, clear, clean lavender. Distinct. Raised by one of the leading Sweet Pea Growers and is in great demand	.10	.40	1.25
3056	**AURORA.** Deep almon flake on white ground	.10	.40	1.25
3053	**BARBARA.** A large salmon orange self. Very similar to Melba. Beautiful color when grown well	.15	.60	1.75
3364	**BRITISH VICTORY.** Beautiful salmon-red, said by experts, who have seen it, to be a decided improvement on Fiery Cross, producing more four-flowered stems	.25	....	.....
2995	**CIS WRIGHT.** In general appearance this striking novelty is blush lilac. It produces a peculiar bronze pink color on cream ground. Will soon become a popular favorite	.15	.60	1.75
2996	**CONSTANCE HINTON.** A black seeded white Spencer of enormous size and fine form. Under some conditions the flowers sometimes show considerable pink	.15	.60	.....
2994	**CRIMSON QUEEN.** A very distinct and striking flower. Throws large blooms mostly in fours. Color a rich crimson. Perfect Spencer shape	.15	.60	1.75
3008	**DAINTY.** A charming white flower, edged pink, quite distinct	.10	.40	1.25
3043	**DOBBIE'S CREAM.** A very popular, fine large primrose Sweet Pea. Highly recommended	.10	.40	1.25
3366	**DON ALVAR.** Large light lavender—very pleasing color	.25	....	.....
3022	**DUPLEX.** A distinctly new class with large wavy flowers, standard and wings a rich creamy-pink. Each stem has sprays of usually four flowers, and frequently the two bottom flowers are of double formation	.10	.40	1.25
3350	**EDITH TAYLOR.** One of the best Spencer types. A soft salmon-rose self. Produces flowers of largest size. Very consistent in shading on both standard and wings. A distinct and beautiful variety which undoubtedly become a standard for the West	.10	.40	1.25
2992	**ELFRIDA PEARSON.** The finest of the blush pink section, beautifully waved, free flowering, and a strong grower. A chaste flower of surpassing beauty.	.15	.60	1.75

		Postpaid		
		Pkt.	Oz.	¼ lb.
3002	**FIERY CROSS.** A scorching fire red, without any shading, which scintillates and glitters in the bright sunlight, thus adding a glowing, fire like sheen, which radiates over the flower. Produces beautifully waved and fluted flowers	.15	.60	1.75
3057	**GAIETY.** Light magenta rose, striped, on ivory-white ground. Beautifully ruffled or crinkled	.10	.40	1.25
3035	**GEORGE HERBERT.** A large carmine rose of excellent shape with deep rose wings	.10	.40	1.25
3014	**HELEN LEWIS.** A distinct variety with a large, broad, wavy orange standard and rosy-orange wings. One of the best of the Spencers	.10	.40	1.25
3054	**HELEN PIERCE.** Is most fascinating. Our strain is the best. It is a bright blue, overlaid and marbled on ivory white	.10	.40	1.25

		Postpaid		
		Pkt.	Oz.	¼ lb.
2991	**HENRIETTA.** A large duplexed cream pink, excelling any other of its type. Raiser was many years perfecting this strain.	.10	.45	1.35
3038	**HERCULES.** A choice sort of the later introductions, well deserving the attention it has aroused. Grows flowers of great size and substance—color pale rosy pink	.15	.60	1.75
3027	**HILARY CHRISTIE.** A delightful flower of exquisite form, grows a good size. Excellent for decoration. Color salmon orange with edge of fiery orange-scarlet, wings rosy salmon	.10	.40	1.25
2989	**ILLUMINATOR.** A glorious orange salmon. In sunshine or under artificial light, the color is bright salmon cerise, sparkling with orange. Very fine	.15	.45	1.35
3367	**JACK CORNWALL, V.C.** The best violet blue self	.25	....	.....
3355	**JEAN IRELAND.** An improvement on Mrs. C. W. Breadmore. Beautiful cream colored edged with deep pink. This variety possesses marked character which, if maintained under cultivation, will make it the premier picotee cream	.15	.45	1.40





Giant Spencers or Butterfly

(Continued)

	Pkt.	Postpaid Oz.	¼ lb.
3055—JESSIE CUTHBERTSON. One of the most attractive and striking Spencer Sweet Peas. It is a primrose ground, well marked with crimson-pink stripes, blotches and flakes. The general effect is one of golden rose	.15	.45	$1.40
3368—JOAN OF ARC. Delightful almond pink. A flower of great substance	.25	....	.....
3030—JOHN INGMAN. A bright carmine rose with deep rose wings, beautifully fluted, of large size and excellent form	.10	.45	1.35
3031—KING EDWARD. A deep rich carmine scarlet of glossy effect, retaining its color well. Flowers freely and one of the very best	.10	.40	1.25
3028—KING MANOEL. One of the best of its type, producing very large flowers of a rich, deep maroon color—an excellent variety	.15	.60	1.75
3004—KING WHITE. This strain exceeds any of the previous whites in size, shape and beauty. Awarded certificate of merit by Royal Horticultural Society, England	.15	.45	1.40
3005—LORD NELSON. Of rich, deep, navy blue color. An excellent variety destined to become very popular	.15	.45	1.40
3025—MARGARET ATLEE. Conceded the largest and finest Sweet Pea yet introduced. Rich, rosy, salmon pink on creamy buff	.15	.45	1.40
3351—MARGARET FIFE. The introducer describes this variety as "A bright Aubretia blue." Very similar to Wedgewood Spencer but a clearer blue. One of the most charming Sweet Peas ever raised	.15	.60	1.75
3010—MARTHA WASHINGTON. The color is pure white, while the edges are picoteed with a deep rose, which gives a most charming effect	.10	.40	1.25
3352—MAY CAMPBELL. A very nice type of primrose color marbled with light carmine pink. One of the most beautiful Sweet Peas of the flaked and striped class. Grows a bold and handsome standard	.15	45	1.40
3369—MRS. G. W. BISHOP. Salmon cerise suffused with orange, beautifully waved. Award of merit, Royal Horticultural Society	.25	....	.....
3356—MRS. CUTHBERTSON. Rose pink standard, white wings flushed with rose—a very chaste flower	.10	.40	1.25
3357—NEW MARGARET MADISON. The nearest approach to true lavender that has yet been introduced—a magnificent flower	.10	.40	1.25
3026—NEW MIRIAM BEAVER. One of the greatest acquisitions to the already long list of colors. It is a bright apricot pink on a primrose ground, deeper at the margins and a pure primrose at the base. Perfect Spencer shape. Four blossoms to the stem	15	.45	1.40
3006—NORVIC. One of the largest flowers and best strains of White Spencer Sweet Peas yet introduced. Very large blooms, exceptionally well waved Quite fixed in character	15	.45	$1.40
3048—NUBIAN. Maroon or deep chocolate colored self. A magnificent flower of exquisite form, large size and great substance	.10	.40	1.25
3353—OLD ROSE. A Rose du Barri Spencer. Growers original stock, produces dark colored vines, but some have light colored vines. It is an improved form of that well known variety "Decorator." Awarded a certificate of merit by the National Sweet Pea Society	.15	.60	1.75
3007—ORANGEMAN. A very fine large flowered variety of true Spencer form. Rich deep orange color beautifully waved	.15	.60	....
3370—ORCHID. A very bright and pleasing shade of lavender	.20	....	....
3341—PEACE. Cream pink, a very distinct flower	25	....	....
3033—QUEEN ALEXANDRA. One of the best of the intense bright scarlet selfs. Charmingly waved and fluted	10	.40	1.25
3359—R. F. FELTON. One of the best lavender Spencers. It is a mauve toned lavender resembling Asta Ohn in color, but much larger and finer	15	.45	1.40
3037—ROBERT SYDENHAM. A glowing orange salmon self, an exceptionally strong grower producing four flowers on a stem. The best and largest of this shade of color	.15	.45	1.40
3360—ROSABELLE. Bright rose, waved. Grows flowers of great form and size. One of the best for exhibition	.15	.45	1.40
3363—ROSY RAPTURE. White margined delicate rose	.25	$1.20	....
3361—ROYALTY. Rich purple flower, one of the best in its class	.25	....	.....
3050—ROYAL PURPLE. The same shade does not exist in the Grandiflora types of Sweet Peas. It is a true Spencer type and the color is a rich royal purple. We advise every lover of the beautiful in Sweet Peas to grow this	15	.45	1.40
3059—SENATOR. The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope. Flowers are of gigantic proportions	.10	.40	1.25
3342—SPARKLER. Bright rose standard, with cream wings	.25	....	.....
3017—STIRLING STENT. Deep salmon self, suffused with orange—a rich colored flower	.15	.60	.....
3343—THE LADY EVELINE. Charming shade of rosy mauve	.15	.75	2.25
3020—THE PRESIDENT. Brilliant rich dazzling orange scarlet. The best in this color	.15	.60	1.75
3362—VERMILION BRILLIANT. One of the best scarlet Spencers. A vigorous grower producing flowers of good form and a good number of four-bloomed sprays	.15	.45	1.40
3354—WARRIOR. Introduced by that well known English grower, Mr. J. Stevenson. Will undoubtedly lead in the maroon color, in fact growers report it has already a preferred demand. Similar to "Nubian" and "King Manoel," but better and more up-to-date than either	.15	.65	1.85
3049—WEDGEWOOD. A beautiful Wedgewood blue. One of the most exquisite Sweet Peas ever introduced	.15	.45	1.40
3003—WHITE. The best of the pure white waved flowers, of a truly gigantic size, produced in great profusion	.15	50	1.50

For Mixed Colors in Sweet Peas see Page 62

Keep cutting the flowers—the more you cut the more they bloom

Sweet Peas

Early Flowering Long Season Spencers

This new race of the Spencer family of Sweet Peas has been found to bloom from three to four weeks earlier than the other type of Spencer. It would seem as though it will only be a matter of time when they will, to a large extent, supersede. At the present time the varieties and range of color is somewhat limited. A good deal of excellent work is being done by specialists. We expect, very soon, it will be possible to get almost any color in this race that can be had in the ordinary type. We would strongly recommend Sweet Pea lovers to give this new race a trial, feeling sure that they will be well pleased. They are now beyond what might be termed the experimental stage. It has been demonstrated that they are a distinct improvement. To have the period of flowering extended four weeks is, in itself, worth a good deal. Four weeks just gives them a chance to be well developed before the excessive heat, ordinarily experienced in July, affects them, which, as most growers of this beautiful plant are aware, is one of the drawbacks to producing flowers of that superb excellence which is so common in the old land.

3383—AMETHYST. Very fine purple, companion to Royal Purple in the late flowering type. Pkt. **25c.**

3384—AVIATOR. Dazzling crimson scarlet. Sunproof and very free blooming. Pkt. **25c.**

3373—FORDHOOK ROSE. A good bright carmine, very floriferous. Pkt. **15c,** oz. **60c.**

3376—LIBERTY. Bright crimson waved, very similar to King Edward Spencer. Pkt. **15c.**

3375—MEADOW LARK. Large early cream. A handsome and promising type. Pkt. **15c.**

3385—MELODY. Fine rose-pink. Pkt. **25c,** oz. **$1.20.**

3377—MIST. A fine type throwing nice flowers of white, flushed with mauve. Vigorous grower. Pkt. **15c.**

3372—MRS. A. A. SKACH. Beautiful light pink of splendid Spencer form. One of the best earlies. Pkt. **15c,** oz. **75c.**

3386—OTHELLO. A fine deep maroon. Pkt. **25c.**

3378—PEACE. One of the nicest rose pink shades on cream background. Aptly named. Pkt. **15c,** oz. **75c.**

3379—RED WING. A strong growing and fine looking variety. Color crimson magenta. Pkt. **15c,** oz. **75c.**

3380—SONGSTER. A giant among the early flowering section, of fine lavender color. Pkt. **25c.**

3381—SUNSET. Pastel mauve pink Pkt. **15c,** oz. **75c.**

3387—SNOWFLAKE. Pure white. Pkt. **25c.**

3382—WARBLER. A rich mauve-purple, almost a distinct color—very pleasing shade. Pkt. **15c.**

3388—WEDGEWOOD. Bright blue, a beautiful flower. Pkt. **25c,** oz. **$1.20.**

3011—YARRAWA. Originated in Australia. Flowers exquisitely waved, produced in fours on extra long stems. Color bright rose pink with a clear creamy base. Pkt. **15c,** oz. **75c.**

3374—EARLY FLOWERING CHOICE MIXED. A combination of the best colors in this section which will become very popular. Pkt. **15c,** oz. **50c.**

MIST

UNWINS

This type is designated by an asterisk; resembles the Spencers in form, with standard and wings gracefully waved and crimped, but the individual flowers are smaller.

McKenzie's Selected Grandifloras

The Spencer (or waved) types are slowly but, nevertheless, surely taking precedence over the Grandifloras. As a result, hybridizers have relaxed their enthusiasm for the latter, but as there still exists many staunch admirers of Grandifloras, we continue to offer those varieties which, in our opinion, produce the finest blooms. Grandifloras are very free flowering, and if anything more robust than the Spencers, and the flowers last longer when cut and are better for hospital work, etc.

	Postpaid		
	Pkt.	Oz.	¼ lb
White			
2922—DOROTHY ECKFORD. A pure snow-white, extra size	.10	.20	.65
2923—WHITE WONDER. Very profuse bloomer	.10	.20	.65
2953—*NORAH UNWIN. A white Gladys Unwin. Keeps in good condition a long time after being cut	.10	.30	.90
Primrose and Buff			
2928—MRS. COLLIER. A charming primrose self	.10	.20	.65
Orange and Salmon			
2934—BOLTON'S PINK. Large orange pink standard with wings of a pale rose	.10	.20	.65
2936—MISS WILMOT. A salmon pink delicately shaded rose	.10	.20	.65
2937—*FRANK DOLBY. Lavender-lilac, fine quality, large flower, splendid for decorative purposes	.10	.30	.90
Pink			
2941—*GLADYS UNWIN. Light pink; an exquisite shade; standards beautifully waved and crimped	.10	.30	.90
Rose			
2947—PRINCE OF WALES. A rich deep rose self; quite distinct	.10	.20	.65
Scarlet, Crimson and Cherry			
2959—KING EDWARD VII. A deep rich carmine scarlet. Very effective	.10	.20	.65
2944—QUEEN ALEXANDRA. A bright crimson-scarlet self	.10	.20	.65
Dark Blue, Purple and Maroon			
2970—BRILLIANT BLUE. A rich dark navy blue standard, wings tipped gentian blue	.10	.20	.65
2948—BLACK KNIGHT. Bold, upright dark bronzy chocolate standard. One of the best dark varieties	.10	.20	.65
Lavender			
2967—LADY GRISEL HAMILTON. A very popular lavender self, undoubtedly the best in this shade	.10	.20	.65
Picotee Edge			
2977—DAINTY. White ground, edged pink. Very fine	.10	.20	.65
Mottled and Flaked			
2983—HELEN PIERCE. Mottled and veined bright blue on a white ground	.10	.20	.65

McKenzie's Sweet Peas

While the demand for named varieties of Sweet Peas to be grown separately is rapidly increasing, growing them in mixture is still the popular method, and for the average grower mixed colors have much to commend them. To obtain best results a good mixture containing well-balanced proportions of the finest colors should be used. **We recommend our mixtures with confidence, believing that they are the best that money can buy.**

3060—McKenzie's Giant Spencers Mixed

Absolutely the Grandest Mixture ever offered. There are many who wish to obtain a continuous and varied supply of bloom who find it somewhat expensive to purchase all the named varieties of their own choice, and it is to these customers **McKenzie's Mixed Spencers** will appeal. The colorings are artistically charming, ranging from daintiest white, purest and most delicate pinks, to beautiful crimson and darkest maroon. The immense size, exquisite color and grotesque shapes, combined with their exceptional hardiness make their culture a delightful pastime. **Pkt. 10c, oz. 45c, ¼ lb. $1.35, ½ lb. $2.50, lb. $4.00.** Postpaid.

Points About Growing Sweet Peas

1. Sow the seed in a double row from four to six inches apart. About 14 seeds will suffice per yard double row.
2. Sow the seeds in suitable soil in a sunny situation. They do best on a free, deep loam, well cultivated.
3. Plant not less than two inches deep and draw the soil up to the plants when they are about three inches high.
4. Sweet peas need plenty of room, so don't crowd them when sowing the seed. Most people sow twenty seeds where ten would give better results.
5. Remember, the more you cut the more they will bloom. Don't allow them to go to seed—keep on cutting.

2988—McKenzie's Prize Mixed Grandifloras

Next to the Spencers, we point with pride to these majestic beauties. The flowers are immense, beautiful and striking, with a richness of unmatchable effect.

The large round open flowers are fine for cutting. Like the Spencer Sweet Peas, the Grandiflora types are being continually improved, more perfectly developed and new tints produced. Delicately sweet scented, with a wonderfully deep rich range of color. Of a strong, vigorous growth, they bloom continuously until late Fall, withstanding considerable frost. **Pkt. 10c. oz. 35c. ¼ lb. $1.00. ½ lb. $1.75. lb. $3.00.** Postpaid.

2993—Laura Bell Superb Mixed

This strain of improved large flowering Sweet Peas is composed of the highest types of named sorts, with a beautiful range of colors mixed to a perfect blend, many of them the newest and best hybrids, remarkable for their beauty, size, form and sweetness. **Pkt. 10c. oz. 25c. ¼ lb. 75c. ½ lb. $1.40. lb. $2.50.** Postpaid.

2998—Eckford's Hybrids Mixed

This mixture of international reputation is composed of the largest flowered Grandiflora type of Sweet Peas, and an immensely wide range of magnificent colors in well-balanced proportions. **Pkt. 10c. oz. 25c. ¼ lb. 75c. ½ lb. $1.40. lb. $2.50.** Postpaid.

Grouping of Colors

Giant Spencer or "Butterfly" Sweet Peas

Grouped according to color. For description and further information see page 59 and 60.

CARMINE ROSE AND SCARLET. British Victory, Crimson Queen, Edith Taylor, Fiery Cross, George Herbert, John Ingman, King Edward, Mrs. Cuthbertson, Old Rose, Queen Alexandra, Rosabelle, The President, Vermillion Brilliant.

PINK. Duplex, Elfrida Pearson, Henrietta, Hercules, Joan of Arc, Margaret Atlee, New Miriam Beaver, Peace.

LAVENDER AND BLUE. Alfred Watkins, Don Alvar, Helen Pierce, Jack Cornwell, V.C., Lord Nelson, Margaret Fife, New Margaret Madison, Orchid, R. F. Felton, Wedgewood.

ORANGE PRIMROSE AND BUFF. Barbara, Cis Wright, Dobbie's Cream, Helen Lewis, Hilary Christie, Illuminator, Jessie Cuthbertson, May Campbell, Mrs. G. W. Bishop, Robert Sydenham, Sparkler, Stirling Stent.

WHITE EDGED PINK. Dainty, Martha Washington, Rosy Rapture.

PURPLE. Royal Purple, Royalty.

MAROON, MAGENTA AND MAUVE. Afterglow, King Manoel, Nubian, Warrior, The Lady Eveline.

STRIPED AND FLAKED. Aurora, Gaiety, Senator.

PICOTEE EDGE. Jean Ireland.

WHITE. Constance Hinton, King White, Norvic, White.

McKenzie's Flower Seed Specialties

Aster (H.H.A.)

Giant Comet

All the high qualities combined in one

Asters, particularly Comet, are becoming more generally grown than ever. To their ease of culture and profusion of bloom unquestionably are due their increasing use. Nor is the "ease of cultivation" or the "profusion of bloom" its most meritorious quality; far from it. It is the exquisite beauty of the flower itself, rivalling as it does even the gorgeous Chrysanthemum in size, appearance and beauty. The petals are beautifully curved and recurved, averaging 4 inches across.

	Pkt.
1743—PURE WHITE	.10
1744—ROSE	.10
1747—CRIMSON	.10
1748—LIGHT BLUE	.10
1746—CHOICE MIXED	.10

American Branching

This is the great favorite with the ladies, as its long stems peculiarly adapt it to the home and table decoration, and late blooming. The flowers, of large size, usually about 4 inches across, of beautiful soft shades, are highly ornamental and attractive. The petals overlap in a convex manner, very similar to the Victoria and Queen of the Market. It is a strong, robust grower, usually 18 to 24 inches high, of profuse blooming habit; like the Comet it becomes literally covered with bloom.

	Pkt.
1778—PURE WHITE	.10
1779—SHELL PINK	.10
1781—DEEP CRIMSON	.10
1782—LAVENDER BLUE	.10
1780—MIXED COLORS	.10

Separate colors of Asters planted in massed beds give a wonderful effect.

Grow more flowers. Asters will prove a delight all summer and are easily grown.

Ostrich Feather

Rivals the Superb Chrysanthemum

The name of this type is suggestive of its exceptional beauty, for in every way but its round shape it reminds one of the graceful waving ostrich plume. This is a newer introduction than the Comet, considerably earlier, producing a greater profusion of bloom and a flower that rivals in size the well-known Japanese Chrysanthemum. Excepting the size, it is identical with the Comet in appearance; long, wavy, twisted petals, gracefully but loosely formed. Often mistaken for a big Chrysanthemum. The plants, similar to Comet, are of luxuriant growth, about 24 inches high, each bearing from 30 to 60 blooms. Florists are finding this very profitable, which we consider a testimonial of great value, as, when commercial growers take up with an extremely prolific, hardy annual of vigorous growth, flowers that flourish from the start in the open, it is time then that the growing of them for home use becomes general.

	Pkt.		Pkt.
1787—PURE WHITE	.10	1790—SALMON	.10
1788—CRIMSON	.10	1791—AZURE	10
1789—DARK BLUE	.10	1792—CHOICE MIXED	.10

Gigantic Crego

Queen of the Asters

You will note we call this "Gigantic" also "Queen of the Asters." "Gigantic Crego" certainly is "superexcellence" in the Comet Aster Class, frequently six inches across, the petals in many cases being double the length of the ordinary types, daintily twisted and curled in beautiful fluffy effects. For a few cents' investment you will reap long months of joyous reward and continual pleasant surprises which present themselves when growing Crego. The plant, like the flower, resembles the Comet, about 24 inches high and extremely prolific, blooming in the greatest profusion.

	Pkt.
1797—SNOW WHITE	.10
1798—SHELL PINK	.10

Aster plants taken up just before frost last well in the house.

ASTER SINENSIS SINGLE

Aster H.H.A.—(*continued*)

Sinensis Single

We are illustrating the Sinensis Single Aster for the purpose of emphasizing what we consider its undoubted value and importance.

The fine range of color now available in this strain of Asters, makes it one of the most desirable to grow. As a bedding Aster it is unusually attractive, and for indoor decorative purposes it is unsurpassed, its long slender stems adapting it admirably for this purpose.

Another feature worthy of consideration is its practical immunity from disease. This was very noticeable during the past season in the vicinity of Brandon, Asters of this type being grown splendidly where other varieties were a complete failure.

1845—FINEST MIXED. Pkt. **10c.**

Victoria

It is particularly prized for bedding and large borders. Of pyramidal form, growing 18 to 20 inches high. It is a most noticeable fact that practically every garden, where Asters are grown, has this type whether others are grown or not. It has so many points of excellence that exhibitors the world over give it a stated preference. A very free bloomer, exceptionally hardy and adapts itself readily to general culture throughout the Canadian West.

	Pkt.
1765—PURE WHITE	**10c**
1766—LIGHT BLUE	**10c**
1767—CRIMSON	**10c**
1768—FIERY SCARLET	**10c**
1769—APPLE BLOSSOM	**10c**
1771—DARK BLUE	**10c**
1772—ROSE	**10c**
1773—PURPLISH VIOLET	**10c**
1774—CHOICE MIXED	**10c**

Pæony Perfection

It produces a large magnificent flower, about 4 inches across, of the most perfect Pæony shape, ranging from pure white to glowing crimson. The plants are of pyramidal branching formation, about 18 inches high with a flower stem highly prized for bouquet or for decorative purposes, producing bloom in great profusion. The pleasure in growing Asters is the diversity of types so radically distinct. Particularly true of the Pæony Perfection with its gracefully incurved petals, meeting at the centre.

	Pkt.
1754—PURE WHITE	**10c**
1755—CRIMSON	**10c**
1757—BRILLIANT ROSE	**10c**
1759—BRILLIANT SCARLET	**10c**
1760—DARK BLUE	**10c**
1761—CHOICE MIXED	**10c**

VICTORIA ASTER

Asters make a fine garden display and are unexcelled for cut flowers

1855—Miss Roosevelt

Of the Victoria type the formation is perfect, the closely arranged petals giving it a handsome double appearance. Very hardy, plants of 18-inch growth, suitable for borders and cutting. Color is a most charming primrose passing to flesh. Pkt. **10c.**

American Beauty

1809—PURPLE. Raised and Selected from the Carmine Rose American Beauty, introduced in 1918. A valuable addition to this class. Per Pkt. **15c.**

1810—CARMINE ROSE. Grows large full flowers with incurved petals on stout stems from 15 to 20 inches in length, and a longer flowering season than any other Aster. Per Pkt. **15c.**

For other varieties see page 77

1611—Achillea Ptarmica Fl. Pl. (H.P.)

Beautiful white perennial of easy culture, grows about 2 feet high and from spring until frost is literally covered with bloom of the purest double white flowers. As a cut flower it is extremely prized. Pkt. **10c.**

1635—Ageratum (H.H.A. Little Blue Star

One of the best bedding and border plants blooming from early Summer until frost. Little Blue Star has almost entirely superseded the older types of Ageratum. It is more compact and of dwarfer habit.

The name Ageratum, meaning "ever young," refers to its ever blooming habit; it will remain fresh and perfect for a month outdoors, and considerably longer within. Naturally it is a popular favorite, and is excellent for borders and edgings, as the plants are neat, bushy and erect; about 4 to 5 inches high. The flower is a bright blue. Pkt. **15c.**

SWEET ALYSSUM LITTLE GEM

Alyssum

Never Wanes in Popularity

Very similar in appearance to Candytuft and equally as popular for borders. It is prized for baskets, pots, terrace rock work, cutting and button holes.

A rapid grower and produces an abundance of bloom. Is exceptionally hardy, in most cases lasting for several weeks after severe frost.

ALYSSUM is one of the few flowers of exceptional fragrance.

It is of very dwarf branching habit, the flowers so close that it resembles a sheet of white from a distance. (*See illustration.*)

1646—SWEET MARITIMUM (H.A.). White. Oz. **25c.** pkt. **10c.**
1647—SWEET LITTLE GEM (H.A.). White. Oz. **30c.** pkt. **10c**
1648—GOLDEN SAXATILE (H.P.). Brilliant yellow. Pkt. **10c.**

Antirrhinum (H.H.P.) Snap Dragon

A Most Fascinating Flower

In mixed borders or beds the long spikes with their clusters of rich, dazzling flowers of intense and varied colors form a most pleasing yet striking contrast when blended with other attractive plants.

The flowers have remarkable endurance, withstanding severe adverse weather, regaling in beautiful bloom throughout the entire Summer.

Antirrhinum being a perennial should be started indoors early, which insures a profusion of bloom the first season. Where indoor sowings are not preferred, we suggest sowing during the Summer for the following season. (*See illustration.*)

Tall Giant

1681—BRILLIANT. Golden yellow and white. Pkt. **10c.**
1682—FIRE KING. Scarlet with orange. Pkt. **10c.**
1683—QUEEN VICTORIA. Snowy white. Pkt. **10c.**
1684—STRIATUM. Striped. Pkt. **10c.**
1686—FINEST MIXED. Pkt. **10c.**

Dwarf

1691—BLACK PRINCE. Almost black with dark leaves. Pkt. **10c.**
1693—GOLDEN QUEEN. Rich pure yellow. Pkt. **10c.**
1694—QUEEN OF THE NORTH. Pure white. Pkt. **10c.**
1695—FINEST MIXED. Pkt. **10c**

ANTIRRHINUM TALL

Arabis (H.P.) Rock Cress

One of the best rock and border plants. Blooms very early in the Spring. Pure white flowers. Especially adapted for edgings and covering banks. Very attractive and will enhance the appearance of any garden.

1708—ALPINA. Pkt. **10c.**

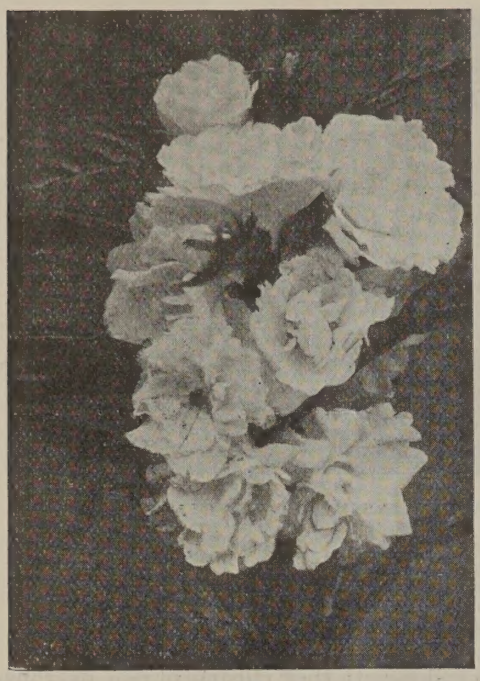
Artemesia (Saccorum Viridis)

(H.A.) (Summer Fir)

Ornamental foliage plant from China. Like Kochia (Summer Cypress), it makes a beautiful garden and pot plant. It forms pyramidal bushes about 3 feet high. The color is a rich deep green. Withstands both drought and wet. Pkt. **10c.**

The Dwarf and Tall Antirrhinums planted in a border, the tall at the back and the dwarf in front, with a border of Alyssum, makes a very pleasing show.

ANTIRRHINUM, DWARF



BALSAM

1723—Asparagus Plumosus Nanus (G.P.)

The Leading Decorative Plant

Pkt. 25c.

We believe this is the most popular house plant in Western Canada. Almost every plant lover has an Asparagus Plumosus Fern on the dinner table or in some other room. It surpasses the Maidenhair Fern for grace, delicacy of texture, richness of color. The early growth is very slow, but as soon as it is transplanted and well rooted in good soil, the growth is more rapid.

1728—Asparagus Sprengeri (G.P.)

Pkt. 25c.

This well known Emerald Feather Fern so generally used in hanging baskets for Winter interior use and home decorations, follows closely in the wake of Asparagus Plumosus as a popular favorite. For outdoors in Summer it has no superior. One of the most popular basket and decorative plants.

BEGONIA TUBEROUS ROOTED SINGLE

Balsam (H.H.A.)

Resembles a Plant with Roses Wrapped Round and Round

Aside from the exquisitely formed flowers, some of most gorgeous hue, the stems or branches, instead of bearing in the usual manner, are clustered closely from butt to tip with only the tips of the leaves protruding, thus giving the entire plant the appearance of one immense bloom, 18 to 24 inches high.

Balsam is a robust grower and should be given abundance of room. It makes an excellent border plant, and if started indoors will give a very early display.

1875—BRILLIANT SCARLET. Pkt. **10c.**
1876—SNOWBALL. Pure white. Pkt. **10c.**
1877—VIOLET SPOTTED. Pkt. **10c.**
1879—PRIMROSE. Pkt. **10c.**
1881—McKENZIE'S CHOICE MIXED. Pkt. **10c.**

Calceolaria (Slipper Flower) G.A.

Our strain of this plant is unrivalled. The flower heads are large and well developed, of exquisite shades. Mostly self spotted and striped. Plants are well shaped and flower profusely throughout Spring and Summer. Height, 12 to 18 inches.

1929—McKENZIE'S SUPERB MIXTURE. Pkt. **50c**

1897—Begonia Single Choice Mixed (H.H.P.)

Pkt. 15c.

The illustration on this page conveys without further explanation, the attractiveness of this plant. A packet of mixed seed will give a large number of plants of a comprehensive and varied color. They are well adapted for growing in pots as house plants and also for bedding in the borders.

For other varieties of Begonias, see page 77.

Carnation (Dianthus Caryophyllus fl. pl.)

The Yield of Large Double Flowers is Wonderful

The Carnation has always been a flower of great prominence, but it is only in the last few years that its growth has become general throughout the Canadian West.

If sown early indoors and then transplanted to the open in June, the Carnation will blossom as readily as any other flower. By transferring to pots before frost it makes a nice house plant.

CALCEOLARIA

The Marguerite strains are especially recommended for vigor and adaptability to outdoor culture; while the Perpetual are also given outdoor prominence, they are more generally grown where a Winter blooming house plant is desired.

1991—DWARF MARGUERITE. Double white. Pkt. **10c.**
1992—DWARF MARGUERITE. Double yellow. Pkt. **10c.**
1993—DWARF MARGUERITE. Double crimson. Pkt. **10c.**
1994—DWARF MARGUERITE. Double choice mixed. Pkt. **10c.**
1995—PERPETUAL, Chabauds. Giant flowered, mixed. Pkt. **10c.**
1996—PERPETUAL, Riviera Market Giant, mixed. Pkt. **15c.**
1997—BORDER, choice mixed. Pkt. **10c.**

Your Home—

Every Home Needs Beautiful Flowers

A poor garden of one's own is better than a good garden in which one may not dig. Many a poor soul has more help from a plant in the window than another has in a plantation made by a gardener.

CARNATION BORDER CHOICE MIXED

Bellis Perennis

Double English Daisy (H.P.)

A delightful plant for edgings, blooms in the early Summer and continues well on in the Fall, if sown early will bloom the same year as sown. Very dwarf, usually not more than four inches high. (*See illustration*)

	Pkt.
1906—MAMMOTH DOUBLE WHITE	10c
1907—LONGFELLOW DOUBLE ROSE	10c
1908—MIXED DOUBLE	10c
1909—MIXED DOUBLE QUILLED	25c

BELLIS PERENNIS, DOUBLE ENGLISH DAISY

2025—Chrysanthemum Maximum

Shasta Daisy (H.P.)

Very suitable for a herbaceous border, looks well if planted with a hedge as a background. The flowers are large pure white with yellow disc. Very useful as cut flowers, last a long time in water. (*See illustration*) Pkt. **10c.**

2024—Chrysanthemum

Inodorum Plenissimum (H.A.)

One of the finest hardy annuals for cutting and very showy in the border. The flowers, which are perfectly double, are of a pure snow white color; grows about 18 inches high and flowers from July to September. (*See illustration.*) Pkt. **10c.**

CHRYSANTHEMUM MAXIMUM
SHASTA DAISY

Canterbury Bell (H.P.) Campanula

The Canterbury Bell of the Calycanthema type differs noticeably from the usual Bell Flower or Persicifolia strains by reason of its immense calyx, giving the flower the appearance of a "cup and saucer," and is generally known by this name. ***See also page 78.***

	Pkt.
1979—CALYCANTHEMA. Blue	10c
1980—CALYCANTHEMA. Rose	10c
1981—CALYCANTHEMA. White	10c

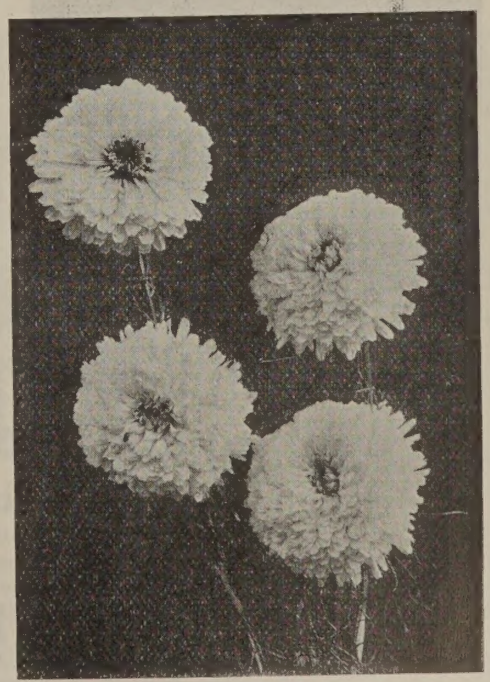
Campanula Persicifolia (Peach Bells)

Very Different in Formation from Canterbury Bells

Campanulas can be grown with ease in any ordinary garden. The delicate and broadly shaped flowers appear in clusters of three at the axils of the upper leaves and grow to an immense size. They are ornamental, graceful and very suitable for table decoration. ***See also page 77.***

	Pkt.
1952—PERSICIFOLIA. Blue, large bells	10c
1953—PERSICIFOLIA ALBA BACKHOUSIANA. The largest and purest flower	10c
1954—PERSICIFOLIA GRANDIFLORA fl. pl. ALBA MOERHEIMI. Very fine pure white saucer shaped flowers	10c

Try some new flowers this year—something out of the ordinary.



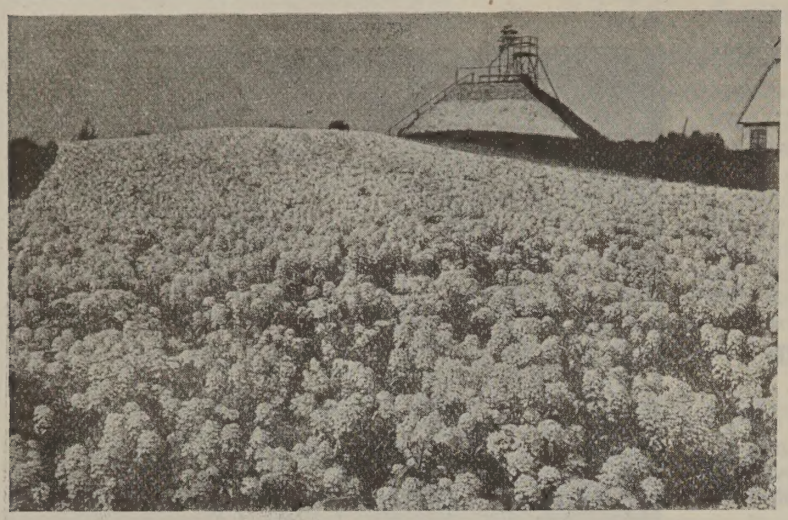
CHRYSANTHEMUM INODORUM PLENISSIMUM

Dianthus (Pinks)

Succeed in Any Soil

One of the most magnificent flowers in cultivation. Although biennial, Pinks should be treated as annuals, and if sown in the open ground as soon as all danger of frost is past, they will furnish an endless delight to lovers of flowers throughout the Summer by their attractive and profuse display of bloom. Transplanting when sown in the open is not recommended otherwise the flowering season will be delayed.

	Pkt.
2122—CHINENSIS (Fl. Pl.). Mixed (H.B.) (Indian Pink). Double flowers all shades	10c
2123—HEDDEWIGI (H.B.). Single mixed (Japan Pink). All colors	10c
2124—HEDDEWIGI CRIMSON BELLE (H.B.). Single, brilliant crimson	10c
2125—HEDDEWIGI EASTERN QUEEN (H.B.). Single, striped rose, extra	10c
2126—HEDDEWIGI FIREBALL (H.B.). Double, brilliant scarlet, extra strain	15c
2127—HEDDEWIGI (H.B.). Double, choicest mixed	10c
2128—LACINIATUS (H.B.). Single mixed	10c
2129—LACINIATUS SALMON QUEEN (H.B.). Single, very charming colors	10c
2131—LACINIATUS VESUVIUS (H.B.). A dazzling single orange scarlet, very fine	10c
2132—LACINIATUS (H.B.). Double choice mixed	10c
2133—DIADEMATUS (Double Diadem Pink) (H.B.). Double, choice mixed	10c
2134—IMPERIALIS (Double Imperial Pink) (H.B.). Choicest mixed	10c
2137—PERENNIAL PINKS (H.P.). Extra choice mixed, very hardy	10c



EMPRESS CANDYTUFT GROWING FOR SEED

Candytuft (H.A.)

One of the Most Popular Garden Flowers

For a profusion of bloom lasting throughout the Summer, there is nothing in the flower garden to excel these dwarf flower-annuals for edging and massing in borders. The plants being of miniature growth adapt themselves to pot culture. They are quite hardy and easy to cultivate and can be sown out of doors, seedlings being thinned out, but not transplanted. The flowers are borne in umbels on spiral spikes of extra depth; the individual flowers being much larger than the older strains. Colors embrace practically all shades of white, purple and red. The strains we offer are unsurpassed.

	Pkt.
1964—DUNNETT'S IMPROVED. Deep rich crimson	**10c**
1965—EMPRESS. Large, pure white. *(See illustration.)*	**10c**
1966—UMBELLATA QUEEN OF ITALY. Pale lilac	**10c**
1967—UMBELLATA ALBIDA. Creamy white	**10c**
1968—UMBELLATA. McKenzie's finest mixed	**10c**
1969—UMBELLATA DWARF HYBRIDS. White shaded rose	**10c**
1970—CHOICE MIXED. Oz. 30c	**10c**

Coreopsis (H.P.)

A Wonderful Bloomer

This showy flower not only receives a place in almost every garden, but generally a very conspicuous one. It is a very dazzling plant, strikingly effective in display with other plants, and equally as attractive for cutting and bouquets. The flowers are very free blooming, retaining freshness long after cutting. This flower blooms so freely that it frequently almost flowers itself to death.

	Pkt.
2069—GRANDIFLORA, large bright golden yellow	**10c**
2070—LANCEOLATA, yellow serrated petals	**10c**

See also Calliopsis, page 77

Celosia (H.A.)

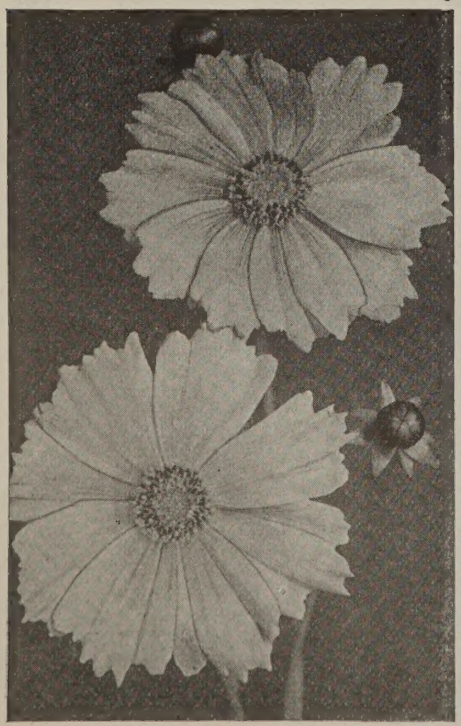
Very Showy for the Summer Garden

A distinct form of the plumed Celosia. The very oddity of its formation makes it unique, and its many gorgeous colors highly attractive. The dwarf Cockscomb with their immense rich, ruffled combs, which are of velvet chenille-like appearance, measuring frequently 12 inches across, have an exceptionally striking ornamental effect in borders.

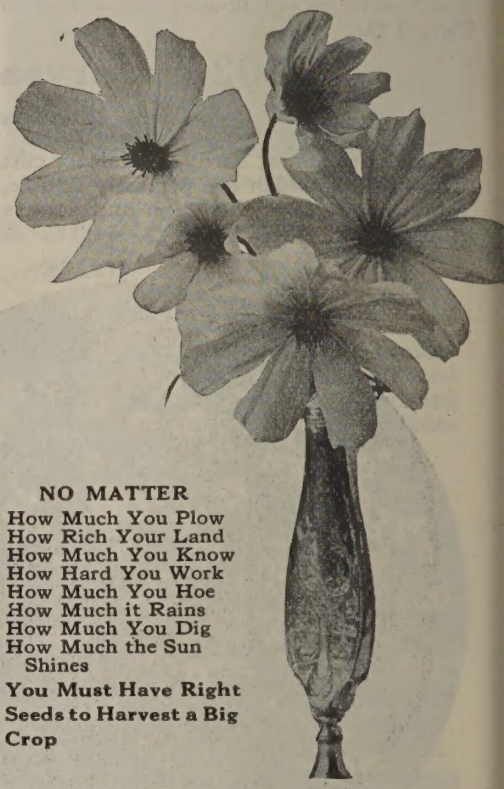
	Pkt.
2002—PLUMOSA. Crimson	**10c**
2003—PLUMOSA AUREA. Golden yellow	**10c**
2004—PLUMOSA THOMPSONI MAGNIFICA. Mixed colors	**10c**
2005—CRISTATA EMPRESS (Cockscomb). Crimson	**10c**
2006—CRISTATA DWARF (Cockscomb). Finest mixed	**10c**

Cosmos (H.A.)

The name is derived from the Greek word with a basic idea, orderliness; hence an ornament or beautiful thing, which fits the present case. Among the garden annuals that have come into prominence in recent years, the Cosmos has a most brilliant future. Cosmos has been vastly improved during the last few years. At first, the flowers were only an inch or two across, now the varieties average 3 inches and sometimes reach 4 and 5 inches.



COREOPSIS GRANDIFLORA



NO MATTER
How Much You Plow
How Rich Your Land
How Much You Know
How Hard You Work
How Much You Hoe
How Much it Rains
How Much You Dig
How Much the Sun Shines
You Must Have Right Seeds to Harvest a Big Crop

COSMOS EARLY MAMMOTH FLOWERING

New Double

These fine new varieties produce full round double flowers, but up to the present have been very shy seeders, which increases the cost of production of seed stock. They possess distinctive characteristics over the ordinary varieties.

	Pkt.
2071—SNOWBALL. Pure white	**15c**
2072—EUREKA. Pink	**15c**
2076—EUREKA. Crimson	**15c**

New Double Crested

A new class entirely, having double centres and a row of petals around the base of the flower which makes them very effective.

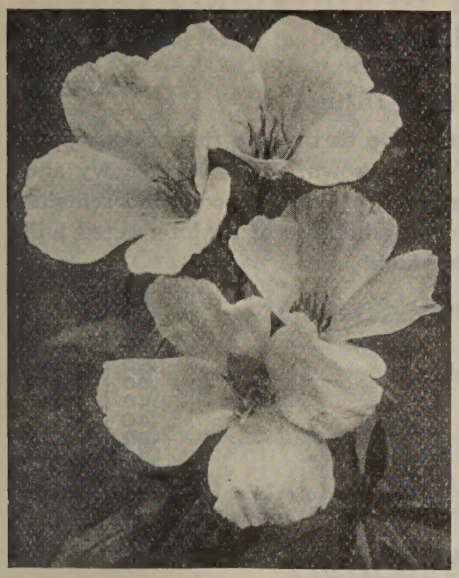
	Pkt.		Pkt.
2077—PINK BEAUTY. Soft pink	**15c**	**2065—Extra E'ly Mammoth Flowering, White**	**15c**
2078—CRIMSON KING. Dark crimson	**15c**	**2066—Extra Early Mammoth Flowering, Pink**	**15c**
2079—WHITE QUEEN. Pure white	**15c**	**2067—Extra Early Mammoth Flowering, Crimson**	**15c**
2082—THE BRIDE. Very delicate pink	**15c**	**2068—Extra E'ly Mammoth Flowering, Mixed**	**15c**
2083—WHITE LADY. Pure white	**15c**		

2073—White, Lady Lenox

Giant Orchid Flowering—Every Enthusiastic Gardener Should Grow This

A most fascinating introduction which produces flowers four to five inches in diameter—quite three times larger than the ordinary Cosmos. It is the first white variety of the famous Lady Lenox Cosmos type. Has succeeded and been admired everywhere. Produces petals oval in shape and of splendid substance. Keeps well when cut. Pkt. **10c.**

See also page 7



GODETIA

Godetia (H.A.)

Merits its popularity, very free flowering, fine for bedding, imparting a gay appearance to the border. 1 ft. July-September.

2272—DUCHESS OF ALBANY. Satiny white.....Pkt. **10c**
2273—DUCHESS OF FIFE. White, spotted carmine.....Pkt. **10c**
2274—GLORIOSA (Lord Roberts). Dark glowing red. The darkest of all.....Pkt. **10c**
2275—LADY ALBEMARLE. Dark crimson.....Pkt. **10c**
2276—LADY SATIN ROSE. Bright carmine, extra rich color.....Pkt. **10c**
2277—FINEST MIXED.....Pkt. **10c**

Gypsophila

(Baby's Breath)

A very desirable plant for bouquets, sprays, and hanging baskets. Useful for mixing with other flowers. The fine, misty, white flowers lend to any decoration a grace which cannot be duplicated. A combination of Sweet Peas and Gypsophila make a pleasing appearance for decorative table use. Excellent for cutting, therefore very popular. Flowers a few weeks after sowing—its feathery foliage and graceful panicles of dainty blossoms make it a leading favorite; 1-2 ft. July-August.

2289—ELEGANS GRANDIFLORA ALBA (H.A.). An improved type, pure white flowers. Pkt. **10c**
2294—PANICULATA (H.P.). White flowers; blooms first year if sown early. 2 ft. August-September. Pkt. **10c.**

Dimorphotheca or Orange African Daisy

A great improvement over the old African Types

Of easy culture and able to withstand all kinds of weather, it is adapted to the climate of Western Canada, and is rapidly gaining popularity. A rare and exceedingly showy annual Daisy from South Africa. Its intrinsic value as a bedding or decorative plant is freely acknowledged. The plants are of semi-dwarf habit and rarely exceed the height of 15 inches; the growth is vigorous and fairly compact, bearing clusters of immense flowers measuring frequently 2½ to 3 inches across. Exceptionally profuse blooming, the plants continue to produce an array of pretty showy flowers until late in the Fall. Seed may be sown in the open as soon as the ground can be prepared in the Spring.

2147—AURANTIACA. (True Stock). The golden yellow flowers are conspicuous by the dark colored disc surrounded by a black zone, the Marguerite-like blossoms measuring frequently 2½ to 3 inches in diameter. A very attractive flower, producing an abundance of bloom. Per pkt. **10c.**

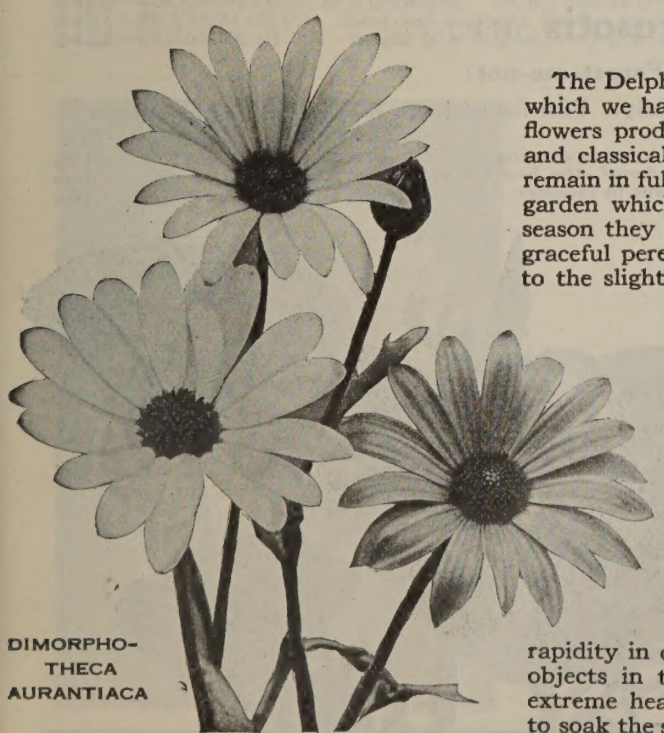
2157—AURANTIACA HYBRIDA. McKenzie's Choice Mixed. Quite the counterpart of the type in growth, foliage, height and size of bloom, but of multifarious coloring. Among the shades represented are pure white to bluish and reddish white, sulphur and lemon yellow to bright gold; delicate rose to deep salmon, orange, etc., while some flowers show zones of contrasting hues. Per pkt. **10c.**

DELPHINIUM

Delphinium or Perennial Larkspur

The Delphinium is one of the most beautiful of all flowers and provides a color—blue—of which we have little among flowers. The stately plants with their long spikes of handsome flowers produced in racemes, are much admired in mixed borders. The foliage is shapely and classical in outline and the spikes of bloom are freely borne. Delphiniums will often remain in full bloom for several months during the whole of which time they add a color to the garden which would otherwise be wanting. For producing a striking display over a long season they are probably unique. No garden is complete without a group or two of these graceful perennials. The culture is exceedingly simple and the results out of all proportion to the slight amount of care necessary; 2-6 ft. July-September. (*See illustration*)

2107—BLUE BUTTERFLY. A very attractive dwarf Chinese variety growing about 20 inches high. The plants are densely covered with a mass of azure blue flowers, which stay in flower a very long time. Pkt. **10c.**
2112—FORMOSUM CŒLESTINUM. Handsome sky blue flowers, a lovely shade. 2 ft. Pkt. **10c.**
2113—GRANDIFLORUM fl. pl. Large flowers borne in racemes 1-3 ft. Choice, double mixed. Pkt. **10c.**
2114—CASHMERIANUM. Distinct pale blue produced in corymbs, with light green leaves. 1 ft. Pkt. **10c.**
2116—McKENZIE'S SPECIAL MIXTURE. A very choice strain. Pkt. **10c.**
2117—NUDICAULE. Spikes bright scarlet, borne on a loose raceme. 1 ft. Pkt. **15c.**

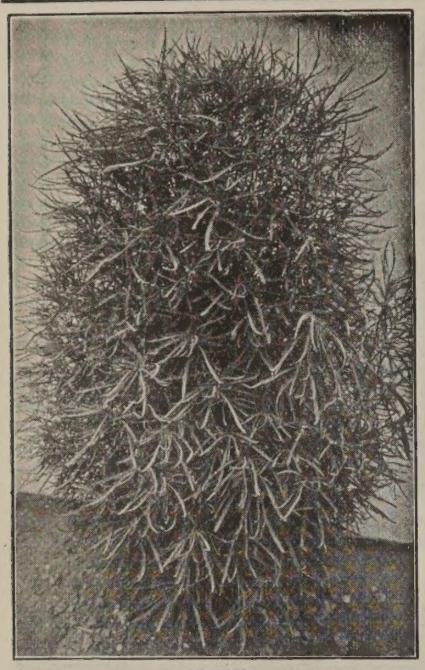


DIMORPHOTHECA AURANTIACA

Echinocystis

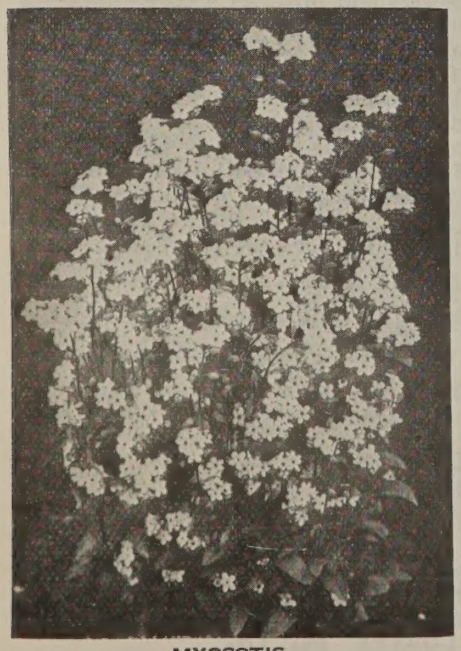
Wild Cucumber (H.A.)

A well-known vine common in many sections. The increasing demand for this useful plant is proof that its usefulness is appreciated. It is unequalled for its rapidity in covering walls, fences, verandahs, trellises, etc. Very useful for hiding unsightly objects in the garden on account of the quick growth of the vines. It never suffers from extreme heat, but retains its fresh green color. Very profuse in bloom. It is advisable to soak the seed several hours before planting. **2167**—LOBATA. Pkt. **10c.**



KOCHIA

MIGNONETTE



MYOSOTIS

California Poppy (H.A.)

(Eschscholtzia)

Unexcelled for Gorgeous and Dazzling Display

Few plants are of more delicate appearance and attractive to the eye than this poppy-shaped flower, yet it is one of the hardiest and most easily grown. It is very showy and blooms early after its appearance above ground. It stands considerable cold and remains blooming after the first frost. Very attractive as an edging because of its intersected and bluish foliage. The plants grow bushy and 12 to 24 inches high.

	Oz.	Pkt.
2188—BURBANK'S CRIMSON. A very handsome variety	.50	.10
2189—CARMINE KING. An intense carmine rose	.50	.10
2190—GOLDEN WEST. Orange yellow, large	.50	.10
2191—MANDARIN. Orange shaded crimson	.50	.10
2192—ROSE CARDINAL. Carmine rose	.50	.10
2182—CALIFORNICA. Bright yellow	.40	.10
2183—CALIFORNICA ALBA. White	.40	.10
2193—VESUVIUS	.50	.10
2194—HYBRIDA GRANDIFLORA MIXED	.50	.10
2197—MIXED SINGLE	.35	.10
2212—MIXED DOUBLE	.35	.10

Kochia (H.A.)

Summer Cypress (Mexican Fire Bush) All the Rage Everywhere

Grows to a perfect symmetry and uniform shape, makes one of the most beautiful hedges and borders imaginable. The lovely green color has a wonderfully enhancing appearance along the walk, against buildings, backgrounds, foregrounds in fact, it seems to be in just the right spot wherever placed. Very easily grown, sown thinly in Spring, shoots up quickly. With the approach of Fall the whole plant becomes a deep red.

2381—TRICHOPHYLLA, Pkt. 10c

Mignonette (H.A.)

The Old Time Favorite Flower

This universally esteemed fragrant flower still retains its popular place in the garden. In valuable for cutting, and when massed in flower borders. It is also well adapted for pot culture for Winter blooming. Successional sowings are recommended when a constant supply of bloom is required. For Winter flowering, sow seed in pots during July and August and thin out.

	Pkt.
2491—BISMARCK. Huge trusses of reddish colored flowes	10c
2492—GOLDEN QUEEN. Large golden yellow spikes	10c
2493—MACHET. Fine bold spikes of reddish flowers A general favorite, Oz. $1.00 ½ oz. 60c	10c
2494—VICTORIA. Forms attractive trusses of bright red flowers	10c
2495—WHITE PEARL. The best of all the whitish flowers	10c
2490—GRANDIFLORA. Larger flowers but as sweetly perfumed as the old type Oz. 60c.	10c

Myosotis (H.P.)

(Forget-me-not)

Will flower first year if seed is sown early. Fine for edging. 6-12 inches. July-August.

	Pkt.
2520—ALPESTRIS. Bright Blue, fragrant towards evening	10c
2522—ALPESTRIS VICTORIA. Sky blue, dwarf, the best for pots	10c
2523—PALUSTRIS. Azure blue flowers borne in racemes	10c

Gaillardia or Blanket Flower (H.A.)

Unsurpassed in Brilliancy

This popular flower hardly needs much introduction as it is already so well known and appreciated among garden-lovers. Gaillardias are particularly conspicuous for profusion and duration of flowers. A constant succession is produced all Summer until late in the Fall. They produce a gorgeous effect in beds or borders. They are highly recommended for cut flowers as they last so long in water and can be gathered with ample self-supporting stems. Great improvements in this popular plant have taken place during recent years and the strains we offer below are absolutely the best obtainable. Flowers freely, dazzling colors. 2-3 ft. July-September.

	Pkt.
2223—PICTA AURORA BOREALIS (H.A.). Gold, crimson and white	10c
2224—PICTA SINGLE MIXED	10c
2225—PICTA LORENZIANA, double mixed	10c

Helianthus—Sunflower (H.A.)

Very Effective in Borders

Of the easiest culture and adapted to a variety of soils. They are seen to best advantage when planted in masses, rather than as solitary specimens. These attractive flowers are a valuable addition to any garden. 2-8 feet. July-September.

	Pkt.
2299—ARGYROPHYLLUS (Texas Silver Queen). Single yellow flowers with black centre. 6 ft.	10c
2304—CALIFORNICUS fl. pl. Fine double, showing no centre, flowers 6 inches in diameter. 4 ft.	10c
2307—GLOBOSUS FISTULOSUS fl. pl. Large double flowers, bright saffron color. 4 ft.	10c
2308—STELLA. Single golden yellow flowers with black disc. 4 ft. (*See illustration*)	10c
2309—GOLDEN FLEECE. Cactus-shaped flowers, golden yellow with dark centre	10c
2310—RED. A new and very attractive variety; flowers are very numerous	10c

Helichrysum (Everlastings) (H.H.A.)

Very useful for Winter decoration or for the making of everlasting wreaths or bouquets. A nice range of delicate pleasing colors. For drying, they should be cut when not fully opened and dried in a gentle heat. Height, 18 inches. In flower, July-September. (*See illustration.*)

2312—MONSTROSUM. Double Mixed ..... Pkt. 10c

Hollyhock

McKenzie's Giant Flowering Annual Blooms First Year from Seed

Immense Hollyhocks the first year from seed! Think of it! The old types of this beautiful rose-like flower can seldom be flowered from seed before the second year. This new strain, identical in appearance with the older varieties, is the result of years of selection for an Annual Hollyhock. The range and combination of colors are wonderful and most beautiful to behold.

The flowers are densely double, delightfully fringed and flounced. Very large size, often measuring 5 inches across. Plants grow 6 to 8 feet high and literally covered with clusters of buds and flowers. Veritable columns of bloom. Started in the house from February to April and transplanted, they bloom in the early summer. **2327**—Mixed. Pkt. **15c.**

Hollyhock (Perennial Varieties)

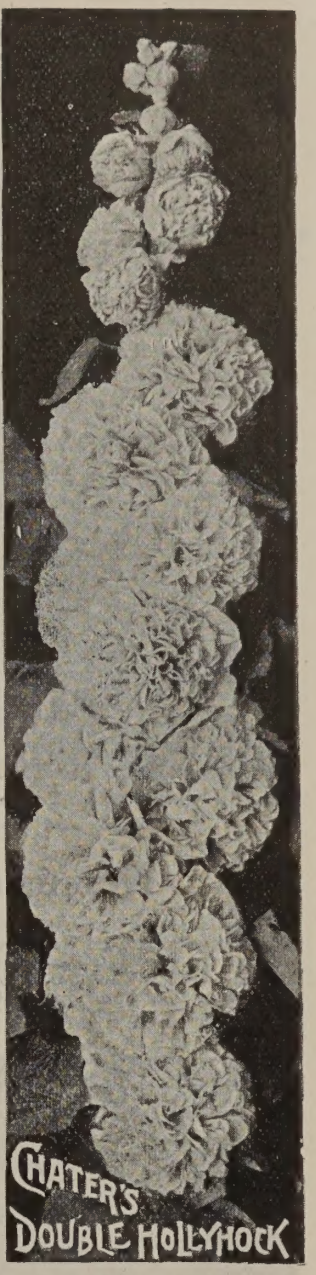
		Pkt.			Pkt.
2328—CHATER'S.	Double white	10c	**2333**—CHATER'S.	Double apple blossom	10c
2329—CHATER'S.	Double canary yellow	10c	**2334**—CHATER'S.	Double salmon	10c
2330—CHATER'S.	Double scarlet	10c	**2335**—CHATER'S.	Double dark rose	10c
2331—CHATER'S.	Double peach blossom	10c	**2336**—CHATER'S.	Double, choice mixed	10c
2332—CHATER'S.	Double crimson	10c	**2337**—DOUBLE ALLEGHANY PRIZE.	Mixed	10c

Linum (Flax)

A Pretty Border Plant

The flowers are borne in terminal racemes or cymes. On account of continuity of bloom the plant is very showy and its ease of culture places it in the front rank as a popular flower. 1 ft. July-September.

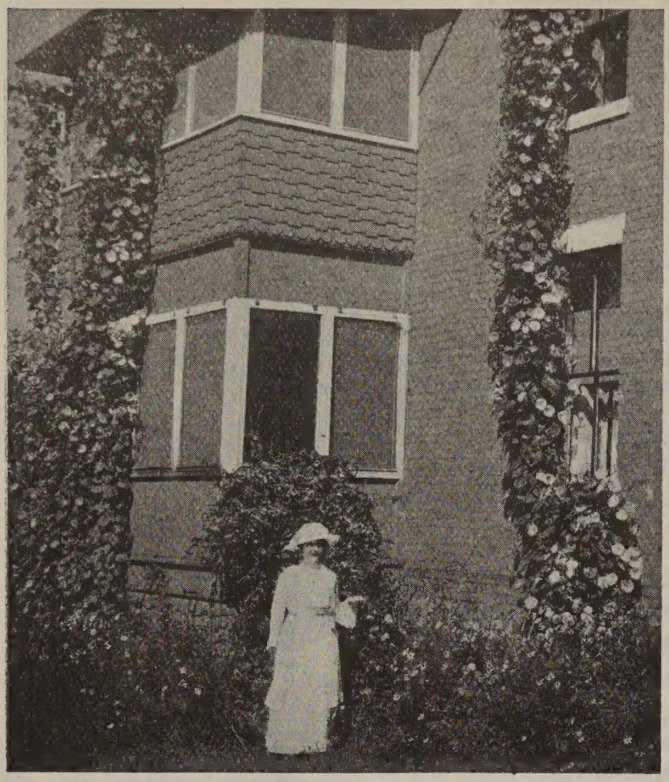
2420—GRANDIFLORUM RUBRUM. (H.A.) Bright crimson. Oz. 25c.	10c
2421—FLAVUM (H.P.). Neat and compact, flowers bright golden yellow. 1 ft.	10c
2422—PERENNE (H.P.). Bright blue flowers, very graceful	10c



GAILLARDIA

HELICHRYSUM

HELIANTHUS STELLA



What a wonderful improvement a few flowers make around a home and they are so easily grown

Nemesia (H.A.) Rivals the Lobelia

This is a striking border, pot or window-box plant of very compact growing habit. Very free flowering, with rich rare colors, in shades of rose, white, scarlet, or yellow, with the lower petal usually lipped or marked in another contrasting color; continuing in bloom for a very long time; grows about 12 inches high.

2615—DWARF COMPACT HYBRIDS, choice mixed. Pkt. **15c.**

Ipomea or Morning Glory (H.A.)

Remarkable for ease of culture, quick growth and beautiful flowers. Among the most popular plants for covering verandahs and screening unsightly objects.

Seeds should be soaked in warm water for about 2 hours before planting. Flowers from July to September.

2362—IMPERIALIS (Japanese). The flowers are borne by hundreds and are of enormous size, of the most delicate, vivid and blending colors to be seen in any flower. The leaves alone are almost beautiful enough with their richly marbled and variegated white and green. Finest Mixed. Pkt. **10c**, oz. **40c.**

2368—ROCHESTER SKY BLUE. We consider the Rochester Sky Blue ever-blooming Morning Glory the acme of perfection in color of all the numerous varieties of climbing Morning Glories. The vines make very rapid growth and form an excellent cover for bare or unsightly spots and for trellises and verandahs they are unexcelled. Pkt. **10c.**

2367—NOCTIFLORA (Moon Flower) alba. Large white flowers. 10-15 ft. Pkt. **10c.**

2369—BONA NOX (Evening Glory). Opens its blooms in the evening, large white flowers. 15 ft. Pkt. **10c.**

2370—SETOSA (Brazilian Morning Glory). A vigorous climber, covers an immense area, large rose colored flowers with pink centre. 10-20 ft. Pkt. **10c.**

Lobelia (H.H.A.)

Tenuior

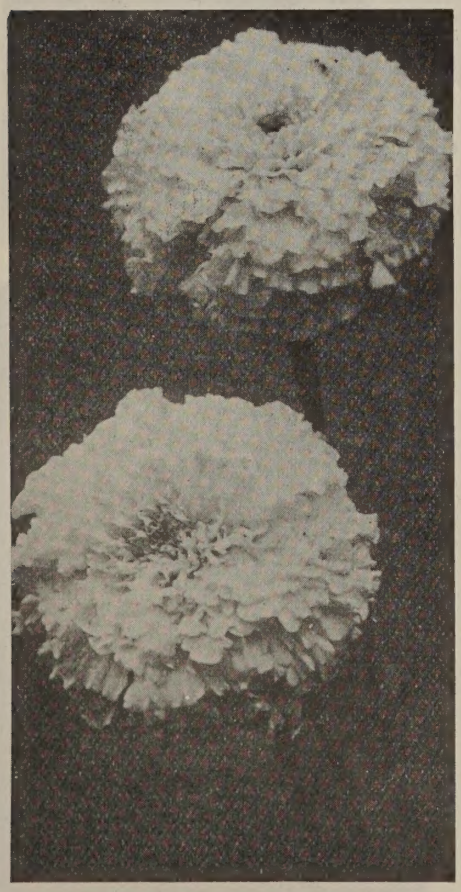
A Highly Decorative Plant for Window Boxes, Hanging Baskets, Verandahs, etc.

2431—This delightful flower is a native of Western Australia and is much prized for its rich decorative qualities. It makes an ideal plant for hanging baskets, supplying a succession of large, deep, rich blue flowers with a conspicuous white eye; a very pleasing contrast. The foliage is graceful and light, which enhances its charm considerably. Per pkt. **10c.**

2427—Crystal Palace

Compacta

While distinctive from Lobelia Tenuior, it makes an ideal flower for hanging baskets and window boxes. The blossoms, deep rich blue in color, have a conspicuous white eye, giving a strikingly attractive contrast. The plant is exceedingly graceful. Pkt. **10c.** *See also page 79.*



MARIGOLD AFRICAN LEMON BALL

Lupinus

Particularly Adapted to Borders

Hardy Annual and Perennial plants of striking appearance with conspicuous flowers in terminal racemes. The bushy plants, with their long handsome spikes, furnish an excellent background to a flower bed. All varieties of this attractive plant are of easy culture in any garden soil

	Pkt.
2435—ANNUALS, fine mixed. 3 ft. June-Aug. Oz. **30c.**	10c
2436—ARBOREUS SNOW QUEEN (H.P.) Very fine pure white spikes. 3 ft.	10c
2437—POLYPHYLLUS (H.P.) Blue, 3-6 ft.	10c
2438—POLYPHYLLUS ALBUS (H.P.) White, 3-6 ft.	10c
2440—SUBCARNOSUS (Texas Blue Bonnet) (H.A.). A charming dwarf variety, flowers azure blue. Excellent for front of border. 1 ft.	10c

Marigold (H.A.)

The Favorite of our Grandmothers

These old-garden favorites are eminently suited for massing in gardens. The variety listed as "Legion of Honor" is the dwarfest of the type and is a charming plant to use for edgings, as it blooms continuously and grows only 6 to 8 inches high. The African flowers with their large and perfectly double blooms are symmetrical in shape and the French types have been selected from plants showing even and well-defined striped double flowers, in shades of brilliant gold, orange and brown. They provide a wealth of bloom of striking appearance.

The seed we offer has been saved exclusively from exhibition blooms.

	Pkt.
2456—AFRICAN GOLD NUGGET. Golden yellow	10c
2457— " LEMON BALL. Soft lemon yellow	10c
2458— " EL DORADO. Large quilled, of perfect double form, in shades of yellow	10c
2459— " FINEST MIXED	10c
2460—FRENCH. COMPACT GOLD STRIPED, beautiful markings, stripes well defined	10c
2462— " DWARF, FINEST MIXED	10c
2463— " LEGION OF HONOR. Single flowers, attractively marked on a golden yellow background	10c

Nasturtium

VASE OF NASTURTIUMS

For Bouquets and House Decorations use Sweet Peas and Gypsophila (Baby's Breath) They combine wonderfully well

Tom Thumb

This dwarf-growing variety is perhaps the most generally grown, and it succeeds everywhere with little or no care.

	Pkt.	Postpaid Oz.	¼ lb.
2581—AURORA. A beautiful terra cotta	.10	.40	$1.10
2582—BEAUTY. Yellow with scarlet markings	.10	.40	1.10
2587—KING OF TOM THUMB. Bright scarlet	.10	.40	1.10
2588—KING THEODORE. Deep crimson	.10	.40	1.10
2592—RUBY KING. Ruby red, salmon tinted	.10	.40	1.10
2593—SPOTTED KING. Dark yellow with brown spots	.10	.40	1.10
2594—VESUVIUS. Deep salmon rose	.10	.40	1.10
2595—McKENZIE'S CHOICE MIXED	.10	.35	1.10

Variegated

Enthusiastic lovers of Nasturtiums hailed with delight this introduction. Unquestionably the Variegated-leaved are without a rival with beautiful and pleasing leaf markings of white, cream, gold, green, etc., and their gorgeous colored flower.

	Pkt.	Postpaid Oz	¼ lb.
2545—TALL (Lobb's), QUEEN WILHELMINA	.10	.40	1.10
2546—TALL (Lobb's), McKENZIE'S CHOICE MIXED	.10	.40	1.10

Ivy Leaf

No praise can be too high for this lovely creation. It has proven a surprise and delight to all who have grown it. The plants in habit are similar to both the dwarf and tall varieties of the ordinary types. The leaves are a delicate English Ivy-leaved form, while the flowers are strikingly yet daintily fringed.

2547—DWARF, OTHELLO. Deep maroon	.10	.40	1.10
2548—DWARF, BUTTERFLY. Bright golden yellow	.10	.40	1.10
2549—DWARF, McKENZIE'S CHOICE MIXED	.10	.40	1.10
2550—TALL, FLAMINGO. Orange scarlet	.10	.40	1.10
2552—TALL, McKENZIE'S CHOICE MIXED	.10	.40	1.10

Dwarf Golden Leaf

This type has created widespread interest everywhere by its wonderful foliage and lovely hues. Being so radically different from ordinary type, the Ivy-leaved or the Variegated-leaved, it has proved their equal in popularity. The leaves are of a beautiful clear golden yellow. In growth the plant is similar to other Dwarf varieties.

2553—CLOTH OF GOLD. Brilliant scarlet	.10	.40	1.10
2554—GOLDEN MIDNIGHT. Deep maroon	.10	.40	1.10
2555—GOLDEN ROSE. True rose	.10	.40	1.10
2557—GOLDEN PEARL. Sulphur yellow	.10	.40	1.10
2558—McKENZIE'S CHOICE MIXED	.10	.40	1.10

Lobb's Climbing

Grows very rapidly, but the foliage and flower are smaller and more delicately shaped than the preceding. It is equally desirable as it embraces many beautiful varieties with a wide range of coloring

2560—GOLDEN QUEEN. Pure golden yellow	.10	.40	1.10
2561—LUCIFER, Very dark scarlet	.10	.40	1.10
2565—RUDOLPH VIRCHOW. Charming ruby color with rich yellow calyx and spurs	.10	.40	1.10
2563—McKENZIE'S CHOICE MIXED	.10	.40	1.10

Gardening

This is an art which does mend nature, change it rather; but the art itself is nature.

—Shakespeare.

Tall or Climbing

This is the type of Nasturtium so extensively used for window boxes, verandahs, stone piles, walls, fences and unsightly locations. Our seed is of exceptionally robust growth it gets away to a quick start and produces rapid, strong growing vines and profuse bloom.

	Pkt.	Postpaid Oz	¼ lb.
2566—COCCINEUM. Bright scarlet	.10	.40	1.00
2567—DUNNETT'S ORANGE. Orange	.10	.40	1.00
2568—HEINEMANNI. Chocolate	.10	.40	1.00
2570—KING THEODORE. Rich crimson	.10	.40	1.00
2571—PEARL. Cream white	.10	.40	1.00
2574—McKENZIE'S CHOICE MIXED	.10	.30	.90

Pyrethrum

The special value of the Pyrethrum is its extreme early flowering habit, being one of the first to bloom in the Spring. This is a particularly good feature when used for borders. For decorative purposes and house bloom it is prized highly. Resembles the Aster and Chrysanthemum in appearance. Blooms and flourishes under rough weather conditions.

2819—HYBRIDUM GRANDIFLORUM SINGLE. Large flowering types, blooms measure 3 to 4 inches across. Finest mixed. **Pkt. 10c.**

PYRETHRUM

2632—Nigella

(Miss Jekyll)

The Hispanica types are usually known as "Love in a Mist," while this particular variety is so handsome as to regale in the highly expressive name "Devil in a Bush." Produces beautiful bright blue flowers of cornflower shape, 1½ inches across, borne on long stems, interspersed gracefully among the exquisite fern like foliage. Grows 12 to 15 inches in height. **Pkt. 10c.** *See also page 79.*

PANSY GIANT TRIMARDEAU

Pansy

Giant (Viola Tricolor Maxima) (H.P.)

If you want the grandest display, the most striking colors, the most perfect flowers, try these; we know a trial will please you.

2667—FIRE KING. Lower petals golden blotched magenta, upper petals purple, very showy. Pkt. **10c.**
2668—GOLDEN QUEEN. Pure deep yellow, no eye. Pkt. **10c.**
2669—INDIGO BLUE. Very rich blue. Pkt. **10c.**
2670—MADAME PERRET. Wine shade on white ground, very showy. Pkt. **10c.**
2671—PRINCE BISMARCK. Light brown, black eye, very showy. Pkt. **10c.**
2673—McKENZIE'S GIANT, MIXED. Gorgeous shades and colors. Pkt. **10c.**

Giant Mixtures

The undermentioned varieties of Pansies are so well known that the sale reaches huge proportions and continues to increase each year.

2679—CASSIER'S GIANT. The largest of all blotched Pansies; very showy. Pkt. **10c**
2680—PARISIAN LARGE STAINED. Of immense size, mostly white ground and fine blotched. Pkt. **10c.**
2681—MASTERPIECE. A superb new class of blotched Pansies, the flowers are gigantic and are invariably ruffled or undulated; a decidedly attractive race. Pkt. **15c.**
2682—ENGLISH PRIZE SHOW. A very choice strain. Pkt. **10c.**

See also Page 79

Giant Trimardeau

This strain is recognized as one of the most beautiful and varied Pansies ever introduced. The flowers are beautifully gold-edged, blotched and pencilled in the most delicate shades. The Trimardeaus are exceptionally showy, of vigorous and compact growth and the flowers are of immense size.

2674—White with purple eye. Pkt. **10c.**
2675—Yellow with black eye. Pkt. **10c.**
2676—McKENZIE'S. Finest mixed. Pkt. **10c.** ⅛ oz. **40c.**

See also Page 79

DOUBLE AND SINGLE POPPIES

Petunia Rich, Beautiful Flowers

Some of the most magnificent types of Petunia ever grown are found right in the West. They give a constant supply of the richest and most brilliant flowers of gigantic size, many measuring 5 inches across, from earliest Summer until late frost. Beautifully fringed and ruffled, the diversity of color, plain and in unlimited combinations, ranges from pure white to deepest maroon. Sow indoors or in open very early in the Spring, exercising care to cover seed lightly, for if sown too deeply they will not grow.

2723—McKENZIE'S GIANT SINGLE FRINGED. Choice mixed. Pkt. **25c.**
2724—McKENZIE'S GIANT DOUBLE FRINGED. Choice mixed. Pkt. **25c.**

See also Page 79

Poppy (Papaver) Gorgeous and Dazzling

Poppies are easily grown, but should, whenever possible, be sown where they are intended to flower, as they do not stand transplanting successfully.

Single Annual

2768—ADMIRAL. (Pæony Flowered) white with broad brilliant scarlet band, very effective. Pkt. **10c.**
2769—BURBANK'S NEW SANTA ROSA. (Shirley) finest mixed, a magnificent strain and will give a most pleasing display of gorgeous brilliant blooms. Pkt. **10c.** ¼ Oz. **25c.**

Double Annual

2782—ARIEL (Pæony Flowered). A charming early variety; color salmon red on white ground outer petals garnished at the base with a lilac blotch. Pkt. **10c.**

See also Page 79

Pansies, Poppies, Petunias what wonderful creations, and how easily grown. We print simple yet comprehensive instructions on each packet.

PORTULACA SINGLE MIXED

Portulaca (Purslane) H.A.

This is undoubtedly one of the most useful hardy annuals for Western Canada, and seems to revel and flower profusely under conditions which would be absolutely unsuited to most other flowers. The leaves, which are of a peculiar structure, are adapted to withstand extremes of heat and drought, and in consequence, it remains green and produces a most dazzling display of richly colored flowers, where other flowers would wilt and die. The culture of the plant is simplicity itself, if sown thinly where it is intended to bloom, all that will be required is to pull out any weeds, also to thin out where the plants may be too crowded. Being dwarf growing, winds do not affect it. A combination of Portulaca and Ice Plant, gives a nice effect and both are equally suited to Western Canada and equally easily grown.

2798—FINEST SINGLE MIXED. Pkt. **10c.**
2799—FINEST DOUBLE MIXED. Pkt. **10c.**

Phlox Drummondi

One of the Easiest Flowers to Grow

The "Grandiflora" types produce large flowers, but the habit is straggly compared with the "Nana Compacta," which is dwarf and forms compact and well-shaped plants, profusely decorated with a mass of blooms. This Half Hardy Annual is easy to grow, thriving in any good garden soil, but prefers plenty of sunshine. (*See illustration.*)

2731—DRUMMONDI GRANDIFLORA CHAMOIS. Rose with white eye, a charming flower. Pkt. **10c.**
2732—DRUMMONDI GRANDIFLORA KERMESINA SPLENDENS. Vivid crimson, very bright and effective. Pkt. **10c.**
2734—DRUMMONDI GRANDIFLORA SNOW WHITE. A pure white of good substance. Pkt. **10c.**
2735—DRUMMONDI GRANDIFLORA. FINEST MIXED. ¼ oz. **25c.** Pkt. **10c.**
2741—NANA COMPACTA CINNABRINA. A brilliant scarlet self. Pkt. **10c.**
2742—NANA COMPACTA COCCINEA. A glowing fiery red self. Pkt. **10c.**
2743—NANA COMPACTA FIREBALL. An extra fine variety, color blood red. Pkt. **10c.**
2745—NANA COMPACTA SNOWBALL. A pure white, of good quality. Pkt. **10c.**
2746—NANA COMPACTA SPLENDENS. A bright crimson with a decided white eye. Pkt. **10c.**
2747—NANA COMPACTA CHOICE MIXED. ¼ Oz. **25c.** pkt. **10c.**

Verbena

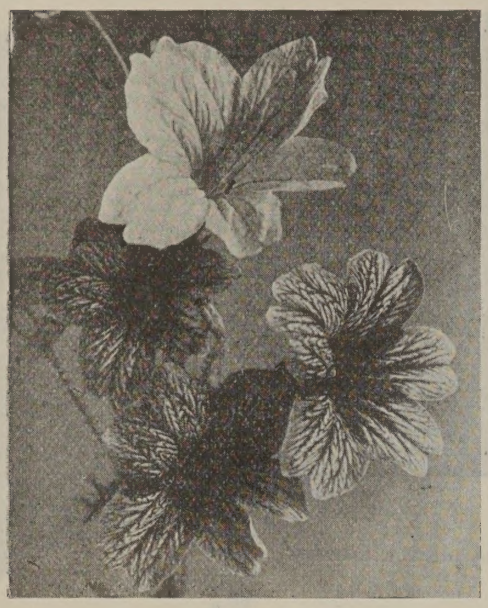
(McKenzie's Large Flowered)
Decidedly Captivating

One of the dear old flowers that will always be popular both for garden and house. It has no superior for constant flowering, brilliancy and beauty of colors. Verbenas are free flowering hardy annuals of low spreading growth. Single plants in rich soil will cover a space three to four feet in diameter and furnish a profusion of flowers. Fewer plants are better liked and give more satisfaction; strong, healthy and vigorous. By sowing inside and transplanting, you get a very early bloom continuing until after first frost.

3092—McKENZIE'S LARGE FLOWERED. STRIPED COLORS. Pkt. **10c.**
3094—McKENZIE'S LARGE FLOWERED. WHITE. Pkt. **10c.**
3097—McKENZIE'S LARGE FLOWERED. CHOICE MIXED. Pkt. **10c.**
3107—HYBRIDA. LUCIFER. A new intense brilliant scarlet with no eye. Pkt. **10c.**

See also page 80

VERBENA, LARGE FLOWERED



SALPIGLOSSIS

Salpiglossis Grandiflora (H.A.)

The illustration only very faintly conveys the beauty and distinctiveness of this charming flower. The photograph clearly shows the contour of the large Petunia shaped flowers, the colors, however, are so unique as almost to baffle description; they are richly veined and marked, the combination of colors being totally different to anything else, while not in any sense curiosities, but useful and attractive both in the flower garden and for indoor decoration as cut flowers. They are easily grown, full cultural instructions on every packet.

These very showy flowers are really most noticeable and attractive when grown in clumps. If desired early the seed can be planted indoors and plants set out when weather is suitable. If preferred the seed can be sown in the open when the soil has become real warm.

2844—CHOICE MIXED Pkt. **10c**

STOCK SNOWFLAKE

Stock Large Flowering Ten Weeks (H.H.A.)

The Largest of all the Large Double Types

The remarkably perfect flowers of this type, produced from one end of the great West to the other, amply substantiates that the Canadian West is an ideal climate for Stocks.

The large double flower, much like a double Rose, waxy of texture, varying in colors from white to deep red, has a most delicate fragrance.

It is of compact growing habit, very profuse bloomer, and of extreme hardiness. Seed sown thinly in shallow drills outdoors during May, and when well started, set one foot apart each way, will afford splendid spikes of bloom in profusion during the cool fall months.

We have been most painstaking in the selection of seed, using selected plants, grown in pots, hand fertilized in order to produce seed with the highest percentage of double flowers. (*See Illustration*)

2892—Pure white. Pkt. **10c.**
2893—Blood red. Pkt. **10c**
2894—Crimson. Pkt. **10c.**
2895—Light blue. Pkt. **10c.**
2896—Purple. Pkt. **10c.**
2897—Flesh pink. Pkt. **10c.**
2898—Scarlet. Pkt. **10c.**
2899—Superb mixed. Pkt. **10c**

2900—DWARF TEN WEEK "SNOWFLAKE" the earliest of the whites, excellent for pot culture with spikes of large snow white flowers of superb substance. Pkt. **15c.** (*See Illustration*)

2901—PRINCESS ALICE. A perpetual or branching variety with beautiful large spikes. An excellent sort for cutting, and if seed is sown early, will produce a constant supply of blooms throughout the Summer. Pkt. **10c.**

See also page 80

Sweet William (H.P.)

(Dianthus barbatus)

A Beautifully Colored Sweet Scented Flower

A general favorite which should be in every garden. As a border plant, it has few equals, being very showy, especially when planted in clusters, and as the brilliant colored flowers are borne in umbels, the stalks radiating from one point, quite a charming effect is created. Our mixture contains quite an assortment of colors, for besides selfs, some of the flowers have a striking white eye, surrounded by rose, pink or some other color on the outer portion of the petal. The flowers are very fragrant. The improved forms we offer are much superior to the old types; the individual flowers are larger and more rounded in shape, with colors more distinct and refined. A hardy biennial. 1½ feet high (*See Illustration*)

3072—SINGLE PINK BEAUTY. Salmon pink flowers, highly attractive. Pkt. **10c.**

3073—SINGLE SCARLET BEAUTY. A rich scarlet, an exquisite and dazzling color. Pkt. **15c.**

3074—SINGLE FINEST MIXED. Oz. **50c.** Pkt. **10c.**

3075—DOUBLE WHITE. Extra choice strains. Pkt. **10c.**

3076—DOUBLE BLOOD RED. Extra choice strains. Pkt. **10c**

3077—DOUBLE MIXED. Well assorted colors. Pkt. **10c.**

ZINNIA DOUBLE

Zinnia

Perfect Doubles **Exquisite Shades**
Splendid Sizes

No amount of praise is too great for this popular favorite. Flowers throughout the entire Summer and early Fall, producing an abundance of large double blossoms which are varied and of brilliant colors. Each bloom lasts about six weeks. The Zinnia is a very free grower and of robust habit. Does well under almost any conditions. Each plant blooms in a striking manner and a complete mass of bloom at all times. For perfect doubleness, splendid size, variety and shades, are unsurpassed. (*See Illustration*).

3159—McKENZIE'S MAMMOTH FLOWERED. Choice double mixed. Pkt. **10c**

LILLIPUT. The small neat pompom flowers arranged on miniature bushes of compact habit are very showy.

3161—DOUBLE FINEST MIXED. Pkt. **10c.**

3162—DOUBLE GIANT PICOTEE. Mixed. Pkt. **10c.**

3163—DOUBLE GIANT QUILLED. BRONZE KING. Pkt. **10c**

See also page 80

TEN-WEEK STOCK

McKenzie's Superior Flower Seeds—*Best for the West*

ABUTILON

ASTER

BEGONIA

BRACHYCOME

CANNA

ABBREVIATIONS. The undernoted initials bear the following significations: H.A.—Hardy Annuals. H.H.A.—Half Hardy Annuals. H.P.—Hardy Perennials. H.H.P.—Half Hardy Perennials. H.C.—Hardy Climbers. H.H.C.—Half Hardy Climbers. H.B.—Hardy Biennials. G.P.—Green House Plants.

ABRONIA (Sand Verbena) (H.H.A.) A charming trailing plant suitable for hanging baskets and rockwork. Flowers of a rose pink color. Sweet scented. July-August.
1601—Umbellata grandiflora.....Pkt. .10
ABUTILON (Chinese Bell Flower) (G.P.) The bell-shaped flowers vary in color from pure white, orange and rose, blooms profusely; of easy culture. From early spring sowing plants will flower first season. March-October.
1606—Finest Mixed.....Pkt. .10
ACROCLINIUM (H.A.) A popular "Everlasting," greatly esteemed for Winter bouquet work. The flowers should be gathered young; 1 ft. July-Sept.
1621—Album. Single white.....Pkt. .10
1622—Roseum. Single rose.....Pkt. .10
1623—Mixed. Single.....Pkt. .10
ADONIS (Flos Jovis or Pheasant's Eye) (H.A.) Of easy culture, flowers deep crimson; a free bloomer; 1 ft. July-Aug.
1628—Œstivalis.....Pkt. .10
AGERATUM (Floss Flowers) (H.H.A.) A very useful bedding plant, suitable for edging, lasts in flower a long time; does not fade; 6-12 inches. July-Sept.
1633—Mexicanum. Blue.....Pkt. .10
1634—Mexicanum album. White...Pkt. .10
AGROSTEMMA (Rose of Heaven) (H.A.) Very attractive rose-colored flowers of easy culture; 1 ft. July-Aug.
1641—Cœli rosa.....Pkt. .10
AMARANTHUS (H.A.) Brilliant foliage plants bearing curious racemes of flowers with leaves of varied colors; a striking contrast and very effective; should be grown in a sunny situation; 3-4 ft. July-Sept.
1653—Caudatus (Love Lies Bleeding) Drooping panicles of deep crimson flowers. Pkt. .10
1654—Tricolor Splendens (Joseph's Coat) Foliage red, yellow and green.....Pkt. .10
1655—Mixed ..... Oz. .25, Pkt. .10
AMPELOPSIS VEITCHII
1650—(Japan or Boston Ivy) A hardy Ampelopsis of Japanese origin. It grows as rapidly as the old Virginia Creeper, and attains a height of 50 feet. It clings firmly to any wall, tree, etc. The leaves are small on young plants, which at first are of an olive green brownish color, changing to bright scarlet in the Autumn. As the plant acquires age, the leaves increase in size.....Pkt. .10
ANAGALIS (Pimpernelle grandiflora) (H.H.A.) The small flowers are very attractive. Fine for edging, pots, etc. 6 inches. July-Sept.
1660—Finest Mixed.....Pkt. .10
ANTHEMIS (Hardy Marguerite) (H.P.) A very free flowering border plant. Useful for table decoration, flowers golden yellow; 1½ ft. July-Sept.
1676—Kelwayi.....Pkt. .10
AQUILEGIA (Columbine) (H.P.)
1700—Chrysantha. Golden yellow, long spurred, single.....Pkt. .10
1701—Skinneri. Yellow, green, orange; single. Pkt. .10
1702—Long Spurred Hybrids. Choice Mixed. Pkt. .15
1703—Double Mixed. Contains a wide range of colors.....Pkt. .10
ARCTOTIS (African Daisy) (H.A.) Of handsome appearance the flowers are large and floriferous and are borne on long stems well above the foliage; color pure white on the upper-surface; the reverse side is a pale lilac with a yellow zone in centre; 1½ ft. July-Sept.
1713—Grandis.....Pkt. .10
ASPERULA. Adapted for rockeries and borders and succeeds best in shady situations. The leaves when dried impart a hay-like scent and will keep the insects from clothes; 6-12 inches. July-Aug.
1733—Azurea setosa (H.A.) The small fragrant lavender flowers combined with graceful and light foliage make it prized for cutting.....Pkt. .10
1738—Odorata (Sweet Woodruff) (H.P.) An old favorite esteemed for its fragrant leaves, flowers pure white.....Pkt. .10
ASTER (H.H.A.) One of the most popular bedding plants in cultivation, suitable for decorative purposes, with a fine array of color; 6 inches to 2 ft. July-Sept.
Vick's Branching. Resembles the Pæony flowered, of vigorous habit; the blooms are large and graceful, making them suitable for cutting; 18 inches.
1803—Finest Mixed.....Pkt. .10
Queen of the Market. The earliest flowering variety, ready to cut two weeks before any other; of branching habit, flowers large and prolific bloomer; excellent for growing under glass; 1½ ft.
1805—Finest Mixed.....Pkt. .10
Washington or Giant Victoria. Resembles Victoria but larger, with petals more loosely arranged. Flowers average 5 inches in diameter. A superb variety; 1½ ft.
1813—Finest Mixed.....Pkt. .10
Japanese or Tassel. A charming variety of the Chrysanthemum flowered type. Immense double flowers, petals long, narrow and twisted; 15 inches high.
1828—Finest Mixed.....Pkt. .10
Chrysanthemum Flowered Dwarf. Producing large perfect, double flowers; 1 ft.
1833—Finest Mixed.....Pkt. .10
Mignon. A small type of Victoria, extremely floriferous, fine for cutting; 1 ft.
1835—Finest Mixed.....Pkt. .10
Betteridge's Prize Quilled. Large double flowers, distinct; 2 ft.
Sinensis Single. Strikingly effective and increasing in popularity each year as a contrast to the double varieties. Flowers produced on long stems, suitable for decorative work. 1½ ft.
1845—Finest Mixed.....Pkt. .10
AUBRETIA (H.P.) A pretty dwarf hardy Alpine plant, producing clusters of rosy carmine flowers; 4 inches. June-July.
1870—Leichtlini.....Pkt. .15
AURICULA (H.P.) Saved from prize strain. Very popular bedding and pot plant. Flowers produced in umbels; 6 inches.
1865—Extra choice mixed. June-July. Pkt. .25

BARTONIA. Bright yellow with thistle-like foliage, which gives it a most attractive appearance.
1886—Aurea.....Pkt. .10
BACHELOR'S BUTTON. See Centaurea Cyanus.
BEET (H.H.A.) Their attractive foliage adds lustre to a flower border.
1891—Ornamental Chilian scarlet..Pkt. .10
1892—Ornamental Chilian yellow...Pkt. .10
1893—Ornamental Chilian. Mixed..Pkt. .10
BEGONIA (H.H.P.) Unquestionably one of the most attractive bedding and pot plants, remaining in bloom throughout the Summer. Sow seed under glass in February for flowering in July; 1 ft. July-Sept.
1898—Tuberous rooted. Double choice mixed. Pkt. .25
1899—Gracilis. McKenzie's Special Mixture. Pkt. .15
1900—Semperflorens Vernon. Charming blood red flowers with dark foliage..Pkt. .15
1901—Rex. Ornamental foliage of red, bronze, green, etc.....Pkt. .50
BRACHYCOMBE (Swan River Daisy) (H.A.) Useful border plant, flowers white and blue, 6 inches. July-Sept.
1914—Iberidifolia. Mixed.....Pkt. .10
BROWALLIA (Amethyst) (H.A.) Grows freely, abundant bloomer, flowers white, blue and purple, with glossy foliage; 1½ ft. July-Aug.
1919—Elata.....Pkt. .10

CALENDULA (Pot Marigold) (H.A.) Makes a very fine border plant; universally popular Flowers are large and striking. 1-1½ ft July-Sept.
1935—Officinalis fl. pl. Meteor, double yellow, striped lemon.....Pkt. .10
1936—Officinalis fl. pl. Prince of Orange. A darker shade than Meteor.....Pkt. .10
1937—Officinalis fl. pl. A choice double strain mixed.....Pkt. .10
CALIFORNIA POPPY. (See Eschscholtzia).
CALLIOPSIS (H.A.) Popular border plant, useful for cutting; flowers all summer. 2 ft. July-Sept.
1943—Tinctoria. Golden yellow...Pkt. .10
1944—Golden Ray. New and distinct; flowers bright brown and golden yellow, bushes compact and generally covered with a dense mass of bloom.....Pkt. .10
1945—Star of Fire. A brilliant Tom Thumb variety growing 12 inches high, covered with fiery-red Cactus-shaped flowers....Pkt. .10
1946—Fire King. Rich crimson flowers. Pkt. .10
CAMPANULA (Harebell) (H.P.) One of the most popular of the hardy border plants, and should be included in all herbaceous beds.
1949—Carpatica, blue, broadly bell-shaped, in loose panicles. 12 inches. July-Sept. Pkt. .10
1950—Carpatica alba. White.....Pkt. .10
1951—Macrantha. Blue, a hybrid form with hairy stems; 3 ft. July-Aug.....Pkt. .10
1955—Pyramidalis. A most beautiful and stately blue flower. Suitable for pot or garden culture; 3 ft. July-Sept....Pkt. .10
1956—Pyramidalis alba. The white form of the preceding; 3 ft. July-Sept....Pkt. .10
CANARY BIRD CREEPER (H.C.) An annual climber of merit, a quick grower, with canary yellow butterfly-like flowers. July-Sept.
1959—Canariensis.....Oz. .30, Pkt. .10
CANNA (Indian Shot) (H.H.P.) Highly effective when planted in clumps or groups; also adapted for pot culture; 3-6 ft. Aug.-Sept.
1974—Choicest Mixed.....Pkt. .10

CARNATION

COREOPSIS

FOXGLOVE

GAILLARDIA

HELIOTROPE

CANTERBURY BELL (H.B.) Very effective in borders. If sown early under glass will flower first season; 3 ft. July-Sept.
1982—Single Mixed. A variety of color. **Pkt. .10**

CARDIOSPERMUM (Balloon Vine) (H.C.) A rapid annual climber. Flowers are white, followed by seed pods which are balloon-shaped. Prefers a warm sunny situation. July-Sept.
1985—Halicacabum.....**Pkt. .10**

CASTOR OIL PLANT. See Ricinus.

CENTAUREA. These are classified as hardy annuals and perennials. Very effective in the garden. 1½ ft. July-Sept.
2011—Americana (H.A.) Easily the largest flowered of all. Flowers measure 3 inches or more in diameter and of an attractive shade of lilac. Worthy of a place in all gardens. **Pkt. .10**
2012—Americana alba. Same as preceding except in color. Creamy white flowers. **Pkt. .10**
Cyanus Minor (Bachelor's Button) (H.A.) Single flowers, adapted for cutting.
2013—Emperor William (H.A.) Bright blue (sky).....**Pkt. .10**
2014—Mixed.....**Pkt. .10**

CHRYSANTHEMUM. The single and double form of this popular annual are always in great request as a cut flower. For flower beds they are invaluable. The annual varieties must not be confounded with the autumn flowering or perennial sorts.
2020—Tricolor Atrococcineum (H.A.) Dark scarlet flowers; 2 ft. July-Sept.....**Pkt. .10**
2021—Tricolor Burridgeanum (Lord Beaconsfield) (H.A.) White and rose. 2 ft. July-Sept.....**Pkt. .10**
2022—Tricolor Eclipse (Chameleon) (H.A.) A light coppery bronze, with a bright purplish crimson zone, the blackish purple disc encircled with golden yellow; 2 ft. July-Sept. **Pkt. 10.**
2023—Frutescens (Paris Daisy or Marguerite) (H.H.P.) An established favorite; flowers on slender erect stems, with pure white ray florets surrounding a yeliow disc; 2 ft. July-Sept.....**Pkt. .10**
2026—McKenzie's early single perennial. A great Western favorite. (H.P.)....**Pkt. .10**
2027—Single Annual, Choice Mixed (H.A.) **Pkt. .10**

CINERARIA HYBRIDA. A greenhouse annual, greatly in demand as a pot plant in the Spring; used for decorative purposes. This mixture contains a large variety of color; all shades of white, violet, blue and crimson. Cannot be excel ed for size and quality; 1 ft. March-April.
2031—McKenzie's large flowered, prize strain, mixed.....**Pkt. .50**
2036—Stellata (Star Cineraria) (G.P.) This miniature form is hard to beat for cutting and all kinds of decorative work. Blooms freely, and for gracefulness is incomparable; 1½ ft. Nov.-April. Finest Mixed.....**Pkt. .50**

CLARKIA (H.A.) Very popular and fine for cutting. Colors: white, rose and purple; 1½ ft. July-Sept.
2041—Pulchella. Single Mixed.....**Pkt. .10**
2042—Elegans. Double Mixed.....**Pkt. .10**

COBAEA (Mexican Ivy) (H.H.P.) A rapid perennial climber, which easily attains the height of 20 to 30 ft. Flowers are blue, large and bell-shaped. Most attractive. Can be treated as a half hardy annual. July-Sept.
2047—Scandens.....**Pkt. .10**

COLEUS (H.H.P.) Leaves richly variegated. Ornamental foliage plant; 1-3 ft.
2052—Finest Mixed.....**Pkt. .15**

COLLINSIA BICOLOR (H.A.) Suitable for bedding. Shades of white, violet and blue. 1 ft. July-Sept.
2057—Mixed.....**Pkt. .10**

CONVOLVULUS (Climbing Morning Glory) (H.A.) The well-known climber of rapid growth. Essentially the plant for covering walls or unsightly places. Flowers profusely. June-Sept.
2062—Major Mixed.....**Pkt. .10**
2063—Minor Mixed (Dwarf Morning Glory) (H.A.) 1 ft. June-Sept.....**Pkt. .10**
2064—Mauritanicus (H.P.) A beautiful trailing plant, suitable for hanging baskets. 1 ft. July-Sept.....**Pkt. .10**

CORNFLOWER. See Centaurea Cyanus.

COSMOS (H.A.) This popular flower comes into bloom when other flowers are on the wane, and thus increases the duration of brilliancy of colors in the garden. Flowers are large and produced on long stems, and are suitable for decorative purposes; 4-5 ft. Aug.-Sept. (See also page 68.)
2074—Lady Lenox. Immense flowers, measuring frequently 4 to 5 inches in diameter; color a beautiful shell pink, of good substance. **Pkt. .10**
2075—Extra Early Flowering. An improved strain which by careful selection will produce flowers in August, and will continue to flower until frost arrives. All shades of red and white.....**Pkt. .10**

CYPRESS VINE. (See Ipomœa.)

DAHLIA (H.H.P.) A very attractive plant producing a constant supply of flowers from Aug.-Sept., 3-5 ft.
2086—Double, Choice Mixed.....**Pkt. .10**
2087—Cactus, Choice Mixed.....**Pkt. .15**
2088—Pompom, Choice Mixed.....**Pkt. .10**
2089—Single, Choice Mixed.....**Pkt. .10**
Giant Perfection. Large and graceful. In great request for table decoration.
2091—Single, Choice Mixed.....**Pkt. .10**

DAISY. English. See Bellis Perennis. Page 67.
Shasta. See Chrysanthemum maximum.

DIGITALIS (Foxglove) (H.B.) Gloxiniœflora, suitable for border; 4 ft. July-Sept.
2142—Choicest Mixed.....**Pkt. .10**

DOLICHOS (Hyacinth Bean) (H.A.) A rapid climber with cluster of bean-like flowers. Aug.-Sept.
2162—Mixed.....**Pkt. .10**

ERYSIMUM (H.A.) Charming dwarf annual, bright reddish orange flowers with lance-shaped leaves; 1 ft. July-Aug.
2177—Perofskianum.....**Pkt. .10**

EDELWEISS. See Gnaphalium.
EVERLASTING. See Helichrysum.
Evening Scented Stock. See Matthiola.

FUCHSIA (G.P.) Suitable for the house or shady border, pendant flowers; 3-8 ft. March-Oct.
2217—Single and double choicest mixed. **Pkt. .25**

FLAX. See Linum.
FORGET-ME-NOT. See Myosotis.
FOUR O'CLOCK. See Marvel of Peru.
FOXGLOVE. See Digitalis.

GERANIUM (Crane's Bill) (G.P.) The well known pot plant; 1-3 ft. May-Nov.
2235—Apple-scented. Leaves very odoriferous.....**Pkt. .25**
2236—Zonale. Fine Mixed.....**Pkt. .10**
2237—New Large Flowering or Show (Pelargonium). Choicest Mixed.....**Pkt. .25**

GERBERA (Transvaal Daisy) Jamesoni hybrids (G.P.) One of the latest floral novelties, unprecedented for its beauty; colors range from pure white to yellow, orange, pink, scarlet and crimson. Flowers are produced on long stems and last in bloom two weeks after cutting. Distinctly an artistic ornament for the table. Will flower first season if sown early; 1-1½ ft. July-Sept.
2242—Choicest Mixed.....**Pkt. .50**

GEUM (H.P.) An excellent border plant with dark crimson flowers; 1 ft. July-Sept.
2247—Atrosanguineum fl. pl.....**Pkt. .10**

GILIA (H.A.) Shades of lavender, yellow and white, useful for beds; 1 ft. July-Sept.
2252—Tricolor. Dwarf Mixed.....**Pkt. .10**

GNAPHALIUM (Edelweiss) (H.P.) An Alpine plant suitable for rock work. The Swiss national flower; 6-9 inches.
2267—Leontopodium.....**Pkt. .15**

GOURDS (Cucurbita) ornamental (H.A.) Vines of rapid growth, suitable for covering verandahs, arbors, etc.
2282—Dipper. Very useful.....**Pkt. .10**
2283—Hercules Club. Long, tapering towards the stem end.....**Pkt. .10**
2284—Japanese Nest Egg. Useful, color white.....**Pkt. .10**
2285—Mixed.....**Pkt. .10**

HELIOTROPE (Cherry Pie) (H.H.P.) Mammoth Flowering. The well known fragrant flower; the heads frequently measure 12 inches in diameter. Seed sown early will produce flowers in the Summer; 2 ft. Aug.-Sept.
2318—Choice Mixed.....**Pkt. .10**

HESPERIS. See Sweet Rocket.

HONESTY (Lunaria biennis) (H.B.) Very ornamental, much prized for decorative purposes, the silvery seed pods give a charming effect when interspersed in a bouquet; 2 ft. July-Aug.
2342—Choice Mixed.....**Pkt. .10**

HUMULUS (Japanese Variegated Hop) (H.A.) A rapid hardy climber suitable for covering verandahs, logs of wood, etc. Flowers greenish yellow; 15 ft. July-Sept.
2347—Japonicus variegatus **Oz. .50 .Pkt. .10**

HUNNEMANNIA (Giant Yellow Tulip Poppy) (H.A.) This variety is the most prolific of all the Poppy family. A succession of bloom can be assured from May sowings, commencing about the middle of July and continuing until late in the Fall. Flowers are cup-shaped, large, golden yellow and very attractive, the colorings of the wavy petals being enhanced by the clusters of bright orange red stamens in the centre; 2 ft. July-Sept.
2352—Fumariitolia.....**Pkt. .10**

HYACINTH BEAN. See Dolichos.

IBERIS (Hardy Candytuft) (H.P.) An excellent rock or border plant with a mass of small delicate lilac flowers which bloom in early Spring. June-July.
2357—Gibraltarica.....**Pkt. .10**

ICE PLANT. See Mesembryanthemum crystallinum.

KAULFUSSIA (H.A.) A charming border plant with deep blue ray florets encircling a blue or yellow disc, 12 inches. July-Sept.
2376—Amelloides.....**Pkt. .10**

LANTANA hybrids (H.H.P.) Suitable as a pot or bedding plant. Flower heads of verbena-like shape in shades of orange, white, rose, etc.; 2 ft. July-Sept.
2386—Choicest Mixed.....**Pkt. .10**

LARKSPUR (H.A.) A most desirable flower in the garden. The handsome spikes of closely formed flowers produced in brilliant hues, demonstrate its value as a showy border plant; 1-2 ft. July-Sept.
2391—Dwarf Double Rocket. A splendid array of colors. Choice Mixed....**Pkt. .10**
2392—Double Stock Flowered or Tall Branching. An unsurpassable strain of amazing beauty. Choice Mixed.....**Pkt. .10**
2393—Dwarf Candelabrum. Fine double mixed.....**Pkt. .10**

LATHYRUS (Everlasting Pea) (H.P.) A very free growing climber, blooms profusely, flowers odorless; 6-8 ft. July-Sept.
2398—Latifolius-mixed.....**Pkt. .10**

LANTANA

MARVEL OF PERU

PORTULACA

NIGELLA

PANSY

LAVATERA (Tree Mallow) (H.A.) Very showy border plant with large saucer-shaped flowers in red and white; 2 ft. July-Aug.

2405—Splendens Sunset.....**Pkt. .10**

2404—Mixed.....**Pkt. .10**

LEMON VERBENA. See Verbena.

LEPTOSIPHON (French Hybrids) (H.A.) An attractive border plant suitable for edgings, all shades of color; 9 inches. July-Sept.

2409—Mixed.....**Pkt. .10**

LINARIA (Toadflax) (H.A.) A charming border plant, flowers golden yellow and purple, the contrast between the two colors having a pleasing effect; dwarf habit; 2-4 ft. July-Sept.

2414—Reticulata aurea purpurea...**Pkt. .10**

2415—Cymbalaria (Kenilworth Ivy or Mother of Thousands) (H.P.) A graceful dwarf trailing plant with branches 2 ft. long, suitable for hanging baskets, vases, etc.; flowers lavender and purple with yellow centre, and short spurs. July-Sept.....**Pkt. .10**

LOBELIA. The most effective of all border plants for edging and carpet bedding. Plants are compact and free flowering, remaining in bloom all the Summer; 4-12 inches.

2428—Emperor William (H.H.A.) Light blue, compact.....**Pkt. .10**

2429—White Gem (H.H.A.) White..**Pkt. .10**

2430—Cardinalis (H.H.P.) The dazzling scarlet flowers immediately attract attention in a flower border; 1 ft. July-Aug...**Pkt. .15**

LOVE'S GROVE. See Nemophila.

LOVE IN A MIST. See Nigella Hispanica.

LOVE LIES BLEEDING. See Amaranthus Caudatus.

LUNARIA BIENNIS. See Honesty.

LYCHNIS (Campion) (H.P.) An herbaceous plant of merit; 2-3 ft. June-Sept.

2445—Chalcedonica. Dazzling scarlet flowers.....**Pkt. .10**

2446—Haageana Hybrids. Extra large flowers, shades of scarlet, orange, etc., superior strain.....**Pkt. .10**

MALOPE (H.A.) An excellent bedding plant; 2 ft. July-Aug.

2451—Grandiflora. Mixed.....**Pkt. .10**

MARVEL OF PERU (Four o'clock) (H.A.) A bushy plant, bright, attractive flowers; 2 ft. June-Aug.

2469—Choice Mixed.....**Oz. .25, pkt. .10**

2470—Variegated leaves. Choice Mixed. **Pkt. .10**

MATTHIOLA (Evening Scented Stock) (H.A.) Flowers of lilac shade usually fragrant in the evening; 1 ft. July-Aug.

2480—Bicornis.....**Pkt. .10**

MESEMBRYANTHEMUM (Ice Plant) (H.H.A.) Dwarf trailing plants with icy-looking foliage, flowers white; requires plenty of sun; 6 inches. July-Aug.

2485—Crystallinum.....**Pkt. .10**

MIMOSA (Sensitive Plant) (H.H.A.) A peculiar plant which closes its leaves at the slightest touch. Flowers pink; 1½ ft. July-Sept.

2500—Pudica.....**Pkt. .10**

MIMULUS (Musk) (H.H.P.) Small yellow flowers with fragrant foliage; 6 inches. July-Sept.

2505—Moschatus.....**Pkt. .10**

2510—Tigrinus grandiflorus (Monkey Flower) Large mottled flowers, suitable for pots, rockeries, etc. Prefers a damp situation. 6 inches. July-Sept.....**Pkt. .10**

MOMORDICA (Balsam Apple) (H.H.A.) A rapid climber, producing apple-shaped fruits; 15 ft. Sept.

2515—Balsamina.....**Pkt. .10**

MOON FLOWER. See Ipomœa.

MORNING GLORY. See Ipomœa and Convolvulus.

MONKEY FLOWER. See Mimulus.

MOURNING BRIDE. See Scabious.

MUSK. See Mimulus.

NEMOPHILA (Love Grove) (H.A.) Compact habit, much valued for their gay appearance; 6-12 in. July-Sept.

2620—Fine Mixed.....**Pkt. .10**

NICOTIANA (Tobacco Plant) (H.H.A.)

2625—Affinis. White, sweet scented; 2-3 ft. July-Sept.....**Pkt. .10**

2627—Sanderæ. A bright carmine, quite distinct.....**Pkt. .10**

NIGELLA (Love in a Mist) Hispanica (H.A.) The blue and white flowers have a peculiar appearance. Foliage feathery green; 1-2 ft. July-Aug.

2631—Mixed.....**Pkt. .10**

NOLANA (Chilian Bell Flower) (H.A.) A dwarf growing plant of procumbent form. Flowers funnel-shaped, of a beautiful blue color, white in the centre. Suitable for pot and border culture, 6 inches. July-Sept.

2637—Grandiflora.....**Pkt. .10**

ORNAMENTAL GRASSES

In Large Demand for Bouquet Work, and Ornamental in the Garden

BRIZA (Quaking Grass) (H.A.) A graceful species for bouquets with spikelets of straw color, hanging gracefully at the end of long stems; 1 ft.

2654—Maxima.....**Pkt. .10**

COIX (Job's Tears) (H.A.) Small pearly seed heads standing above the broad foliage; 2 ft.

2656—Lachryma.....**Pkt. .10**

HORDEUM (Squirrel Tail Grass) Very graceful and feathery, useful for winter decoration; 1½ ft.

2651—Jubatum.....**Pkt. .10**

ORNAMENTAL GRASSES. The foregoing collection.

2661—Mixed.....**Pkt. .10**

PANSIES.

Bedding Varieties

2697—King of the Blacks. A lustrous jet black; an extra fine strain.....**Pkt. .10**

2698—Lord Beaconsfield. A purple violet, top petals white; splendid.....**Pkt. .10**

2699—President Carnot. White, each petal blotched, violet, very fine.....**Pkt. .10**

2701—Victoria. A wine-red, a superb color. **Pkt. .10**

2702—Fine Mixed. Highly recommended. **Pkt. .10**

Tufted or Scotch Pansies. See Viola.

PAPAVER. See Poppies.

PENTSTEMON (H.P.) The seed has been saved from a very choice collection. The Gloxinia-like flowers are very large; produced in long handsome spikes, varying in shades of white, purple, rose, pink, and scarlet. Beautifully marked and veined. A handsome border plant; 2 ft. Aug.-Sept.

2707—McKenzie's choice large flowered hybrids, mixed.....**Pkt. .10**

PETUNIA (H.H.P.) The bedding varieties are always popular, as they last for a long time in bloom, and flower profusely. Plants are dwarf and compact and are suitable for pot culture; 1-3 ft. July-Sept. Hybrida. A good selection of varied colors.

2718—Single choice Mixed.....**Pkt. .10**

2719—Howard's Star. Single bicolor, purple and white.....**Pkt. .10**

2721—Snowball. Pure white, single. **Pkt. .10**

PHLOX (H.H.A.) A popular bedding plant. 1-1½ ft. July-Sept.

2750—Drummondi Mixed. A good strain. **Pkt. .10**

2751—Cuspidata (Star Phlox) Choice Mixed. **Pkt. .10**

2752—Perennials (H.P.) Saved from large flowered varieties. Finest Mixed...**Pkt. .10**

PIMPERNELLE. See Anagallis.

PINKS. See Dianthus. Page 67.

PLATYCODON (Japanese Bell Flower) (H.P.) Very graceful and charming flowers. Immensely attractive when planted in mixed borders; 1½ ft. July-Sept.

2708—Grandiflora. Blue.....**Pkt. .10**

2709—Grandiflora alba. White.....**Pkt. .15**

2710—Grandiflora Mariesi. Large, open, bell-shaped, deep blue flowers.....**Pkt. .15**

POLYANTHUS (H.P.) A popular border plant; blooms in umbels in early spring; 6 inches. June-July.

2762—Gold laced.....**Pkt. .10**

POPPY. No other flower produces such vivid and dazzling colors. Very effective in the border; 1-4 ft. July-Sept.

Single Annual Varieties

2767—McKenzie's Selected Strain Shirley, contains many charming colors. Mixed.....**Oz. .25, pkt. .10**

2772—The Bride. Pure white Pæony flowered.....**Pkt. .10**

2773—Mephisto. Scarlet with black spots. Carnation flowered.....**Pkt. .10**

2774—Danebrog. Scarlet, blotched silvery white. Carnation flowered.....**Pkt. .10**

2775—Glaucum (Tulip Poppy) Outer petals vivid scarlet, shaded orange with violet black stamens; abundant bloomer..**Pkt. .10**

2776—Lœvigatum. Dark scarlet, black spots at base, with a border of white around the edges.....**Pkt. .10**

Double Annual Varieties

2781—Carnation flowered. Mixed..**Pkt. .10**

2785—Japanese Pompom. Petals are exquisitely curled.....**Pkt. .10**

Perennial Varieties

2790—Bracteatum. Scarlet, similar to the Orientale.....**Pkt. .10**

Nudicaule (Iceland Poppies) Very graceful, incomparable for table decoration. Many delicate and pretty shades.

2791—Mixed.....**Pkt. .10**

2793—Orientale. Single Hybrids. The largest of all poppies; brilliant colors. Finest Mixed.....**Pkt. .10**

PRIMULA. An exceilent pot plant. The hardy perennial varieties are also suitable for rockeries, etc.

Sinensis (Chinese Primrose) (G.A.) Large flowered, fringed; 6 inches. Sept.-April.

2804—Single Choice Mixed.....**Pkt. .10**

2805—Double Choice Mixed.....**Pkt. .25**

(Obconica) (G.P.) Cluster of flowers produced on long stems, perpetual flowering; 9 inches.

2806—Grandiflora.....**Pkt. .15**

2809—Vulgaris (Common Primrose) (H.P.) Yellow. 6 inches. June-July.....**Pkt. .10**

PYRETHRUM (Golden Feather) (H.H.P.) An ideal plant for edge of borders. Flowers yellow; grown for its attractive foliage; 6 inches.
2814—Aureum.....Pkt. .10

RHODANTHE (Straw Flower) (H.A.) An everlasting. Suitable for bouquets. Plant in border or pots. 1½ ft. July-Aug.
2826—Manglesi. Soft rosy pink with yellow centre.....Pkt. .10
2827—Mixed.....Pkt. .10
RESEDA. See Mignonette.
RICINUS ZANZIBARENSIS (Castor Oil Plant) Highly decorative in beds; the leaves grow to a large size, giving a rich tropical effect.
2832—Mixed.....Oz. .25, pkt. .10
ROCKET SWEET. See Hesperis. (Also Sweet Rocket.)
RUDBECKIA (Cone Flower) For cutting, these hardy annual and perennial plants would be difficult to excel, the flowers lasting a long time. An excellent border plant, showing up well in mixed borders; 2-5 ft. July-Sept.
2837—Speciosa bicolor (H.A.) Single yellow flowers with blackish purple conical disc. Pkt. .10
2839—Golden Glow (H.P.) Increases in popularity each season; flowers large double, of a sulphur-yellow color. Excels for decorative purposes.....Pkt. .10

SALPIGLOSSIS grandiflora (H.A.) One of the popular border plants. The large Petunia-shaped flowers, which are richly veined and marked, present a charming sight when planted in clusters; 2 ft. July-Sept.
2844—Choice Mixed.....Pkt. .10
SALVIA (Scarlet Sage) (H.H.P.) The dense mass of dazzling scarlet flowers are a source of admiration in the garden. The flowers are produced in sturdy, compact bushes, and at a distance the density of bloom gives a beautiful brilliant effect impossible to describe. Flowers first year from seed sown under glass in Feb. or March; 1-3 ft. Aug.-Sept.
2849—Bonfire. Erect spikes of bright scarlet flowers.....Pkt. .10
2850—Lord Fauntleroy. Dwarf, compact bushes, deep red flowers.....Pkt. .10
2851—Splendens. A flaming red....Pkt. .10
2852—Patens (Blue Sage) Deep blue flowers Makes an attractive pot plant; of dwarf habit, quite unique.....Pkt. .15
SCABIOSA (Pincushion Flower) (Mourning Bride) Invaluable as a cut flower. Suitable for borders; the flowers are borne on long erect spikes and afford a fine display all Summer; 2-3 ft. July-Sept.
2857—Double Large Flowering. (H.A.) Comprises a grand assortment of color. Highly recommended. Mixed.....Pkt. .10
2858—Dwarf Double (H.A.) Produces a gorgeous array of flowers. Mixed.....Pkt. .10
SCHIZANTHUS (Butterfly Flower, or Poor Man's Orchid) (H.H.A.) Unsurpassed for bouquets and buttonholes, and excels as a border plant. Of branching growth; flowers in profusion; 1-2 ft. July-Sept.
2867—Large Flowered. Saved from very large flowers of exquisite colors. Finest Mixed.....Pkt. .10
SEA LAVENDER. See Statice.
SENSITIVE PLANT. See Mimosa pudica.
SHASTA DAISY. See Chrysanthemum Maximum.
SILENE (Catchfly) (H.A.) A compact plant, producing single and double flowers of extreme beauty and gracefulness; 6 inches. July-Sept.
2872—Pendula compacta, Snow King, pure white, very dwarf.....Pkt. .10
2873—Pendula compacta, double, mixed, extra choice.....Pkt. .10
SNAPDRAGON. See Antirrhinum.
STATICE (Sea Lavender) (H.P.) A charming perennial border plant, fine for cutting. Flowers will last throughout the winter when dried. Produced in umbels on long stiff stalks; 1 ft. July-Sept.
2885—Incana nana. Pale blue and white, dwarf habit. Mixed.....Pkt. .10
2886—Latifolia. Pale lavender, very popular. Pkt. .10
STEVIA (H.H.A.) Adapted for pot or border culture. Flowers may be obtained throughout Summer and Winter. Fine for cutting. 1½-2 ft.
2883—Serrata.....Pkt. 10
STOCKS. The well known bedding and pot plant with densely covered spikes of sweet scented double flowers. The winter flowering varieties may be treated as annuals, and usually have a high percentage of double flowers; 1-2 ft. July-Sept.
Ten Week (H.H.A.) In variety. See page 76.
2907—Beauty of Nice (H.B.) Large beautiful spikes of delicate flesh pink.....Pkt. .10
2908—Crimson King (H.B.) Tall long spikes of a splendid rich crimson color....Pkt. .10
2909—Brompton or Winter (H.P.) A superb mixture of double flowers.....Pkt. .15
2910—White Lady (H.B.) A large flowering Brompton Stock about 20 inches high, and arrayed in remarkably handsome foliage. Very double flowers of a lustrous snowy white. It blooms early and remains a long time in flower.....Pkt. .15
STOKESIA (Cornflower Aster) (H.P.) This variety merits attention. It is of easy culture and will flower first year from seed when sown early, but requires a sunny position in the garden. The flowers are invaluable for cutting, measuring 3 inches or more in diameter; of a handsome lavender blue shade. Makes an ideal border plant; 2 ft. Aug.-Sept.
2916—Cyanea.....Pkt. .15
SUNFLOWER. See Helianthus, page 71.
SWEET PEAS in variety and mixture. See Specialties, pages 59 to 62.
SWEET ROCKET (H.P.) An old fashioned border plant, spikes in colors of white, purple and lilac. Very showy; 2-3 ft. July-Sept.
3062—Mixed.....Pkt. .10
SWEET SULTAN (H.A.) Popular hardy bedding plant; flowers freely and lasts fresh a long time in water; of easy culture; very sweet scented; 2-3 ft. July-Sept.
3067—White.....Pkt. .10
3068—Dark Purple.....Pkt. .10
3069—Yellow.....Pkt. .10

THUNBERGIA (Black-Eyed Susan) (H.H.A.) A quick grower, but requires a sunny position; useful for covering verandahs, suitable for hanging baskets. Various shades of white, yellow and buff; fragrant; 4 ft. July-Sept.
3087—Fine Mixed.....Pkt. .10
TAGETES
3082—Signata pumila.....Pkt. .10
TROPÆOLUM canariense. See Canary Bird.

VERBENA (Vervain) (H.H.P.) A great acquisition to any flower garden. Commence blooming in Spring, and supply a mass of flowers in terminal spikes in many charming shades throughout the Summer. Flowers are produced in clusters which are decidedly captivating to the eye. Sweet scented; 6 to 15 in. July-Sept.
3099—Hybrida Mixed.....Pkt. .10
3100—Erinoides (Moss Verbena) (H.A.) Produces a mass of moss-like foliage of spreading dwarf habit. The purplish flowers are borne in trusses and are produced in abundance throughout the Summer and Autumn. Pkt. .10
3101—Erinoides alba. White, same form as preceding.....Pkt. .10
3102—Venosa (Hardy Green Verbena) (H.P.) Blackish violet in umbel-like heads, fine for groups or edging. Sow early, as seeds germinate slowly.....Pkt. .10
3103—Lemon (Aloysia Citriodora) (H.H.P.) Very fragrant foliage which, when dried, retains its aroma for a long time. It is equally suitable for borders in the Summer, and pot culture in Winter. Flowers small and whitish. or pale lilac on slender spikes.....Pkt. .10
VINCA (Madagascar Periwinkle or Old Maid) (H.H.A.) A well known bedding plant, also suitable for pot culture. Plants of erect habit, with glossy foliage. A free bloomer; 1 ft. July-Aug.
3113—Rosea. Bright rose.....Pkt. .10
3114—Rosea alba. White, with distinct rosy eye.....Pkt. .10
VIOLA (Tufted Pansies) (H.H.P.)
Scotch Prize. Cannot be excelled for border edging. Very free flowering, giving a constant supply of flowers of lovely shades throughout the Summer. Sow early for flowering same year; 6 inches. July-Sept.
3119—Finest Mixed.....Pkt. .10
3120—Odorata (Sweet Violet) Sweet scented. Mixed.....Pkt. .10
VIRGINIA STOCK (H.A.) One mass of flowers all Summer; 6 inches.
3124—Mixed.....Pkt. .10
VISCARIA Oculata (H.A.) Flowers profusely; of a bright red color, compact bushes of a dwarf growth. Fine for cutting. 1 ft. July-Aug.
3129—Dwarf Perfection.....Pkt. .10

WALLFLOWER (H.H.P.) A harbinger of Spring; flowers very fragrant; 1 ft. June.
3134—Single Extra Early Parisian. Will flower first year if sown early. Mixed. Pkt. .10
3135—Single blood red.....Pkt. .10
3136—Single Harbinger, very early, brown. Pkt. .10
3137—Single fine Mixed.....Pkt. .10
Double Dwarf. A very fine strain, producing magnificent spikes of all shades of color.
3139—Finest Mixed.....Pkt. .10
WILD CUCUMBER. See Echinocystis.
WILD FLOWER GARDEN (H.A.)
3143—Assorted colors.....Pkt. .10

XERANTHEMUM (H.A.) Everlasting flowers for Winter decoration. July-Aug.
3148—Double Mixed.....Pkt. .10

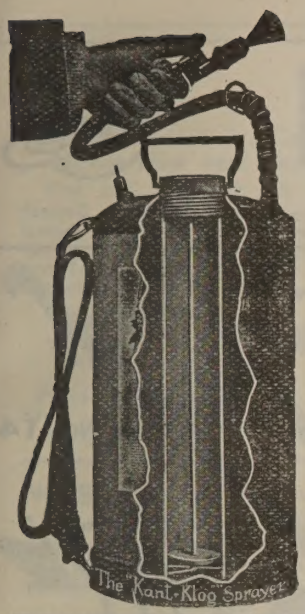
ZEA (H.A.) Leaves beautifully striped with white, rose and yellow; very effective in the border; 3-4 ft.
3153—Japonica Variegata.....Pkt. .10
ZINNIA (H.H.A.) Very showy. The large globular flower heads in many shades of color are very gorgeous, and make quite an attractive display in a mixed border or when massed together; 1-2 ft. July-Sept.
3158—McKenzie's Dwarf Flowering Varieties. Superb Mixture.....Pkt. .10
3166—Curled and Crested. Petals are twisted and curled, giving the flowers a peculiar and fantastic appearance. Double Mixed..Pkt. .10

Valuable Books for Poultrymen, Farmers and Gardeners

EACH POSTPAID

American Horse and Horse Breeding (Dimon)	4.00	Henderson's Practical Floriculture (Henderson)	2.25	Plant Breeding (Bailey)	1.90
American Horticultural Manual (Budd)	3.65	How to Plan Home Grounds (Parsons)	1.50	Play and Profit in My Garden (Roe)	1.80
Fertilizers (Gregory)	.70	Key to Profitable Stock Feeding (Myrick)	.60	Canadian Poultry Review. Illustrated Monthly Magazine, one year	1.00
Garden Making (Bailey)	2.40	Modern House Plans (Reed)	1.75	Profitable Poultry Keeping (Beale)	1.50
Horse Breeding (Sanders)	4.35				

If you are interested in any subject, books on which are not listed above, write us for prices.



The "Kant-Klog" Sprayer

(Pattern G)

Sprays Trees, all kinds of Small Fruits and Garden Vegetables, Disinfects, Whitewashes and has many other uses.

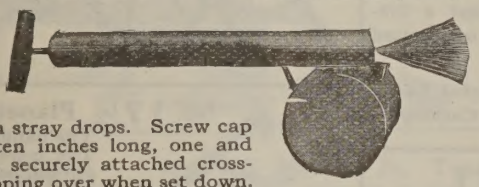
The "Kant-Klog" nozzle has a cleaning device and furnishes several sizes of flat and round sprays and solid streams; also the spray can be governed by a slight pressure of the thumb. Hose is high grade—supported by coiled spring, couplings solid brass with standard cut threads. Air pumps of heavy brass tubing two inches in diameter.

The Sprayer body is made of heavy polished brass or galvanized steel as desired. Both top and bottom are dome-shaped; joined to body under heavy pressure, making complete double seam. When completed, this body is thoroughly tested. Not one in a thousand give any of the troubles common with other sprayers.

Brass, **$15.00**, Galvanized, **$10.85**.
By express at purchaser's expense.

"Kant-Klog" Atomizer No. 0

A Smaller Atomizer
One Pint Capacity



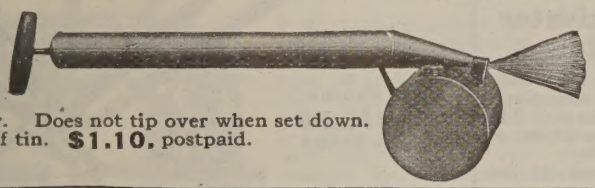
For Household use, Insecticides, Disinfectants, Automobiles and Furniture Polishes, etc., is preferred to the larger sizes.

Drip cup on tank to catch stray drops. Screw cap filler, Tin Pump barrel ten inches long, one and one-half inches diameter, securely attached crosswise the tank prevents tipping over when set down.

85c. postpaid.

"Kant-Klog" Atomizer No. 3

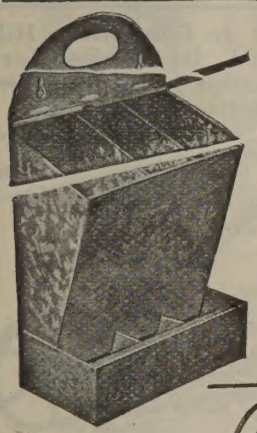
Capacity
One Quart



Has tin pump barrel one and three-quarter inches in diameter. Heavy plunger rod.

Screw cap filler. Does not tip over when set down.

Liquid tanks of tin. **$1.10**, postpaid.



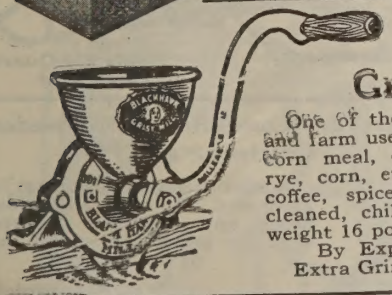
McKenzie's Dry Food Grit and Shell Box

This handy Grit Box eliminates the waste occasioned by feeds, grits, shells, etc., being placed in pans or low dishes and scratched out by the fowls. It has three compartments. Strong, light and durable.

The trough is so arranged that fowls are unable to get into it with their feet, thus eliminating waste, and at the same time protecting the contents from moisture and filth.

Large size, each.....**$1.50**

By express at purchaser's expense.

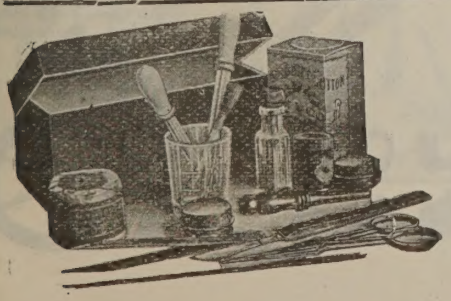


Black Hawk Grinding & Feed Mill

One of the handiest of tools for household and farm use. Make your own Graham flour, corn meal, etc. Crack your wheat, barley, rye, corn, etc. for the poultry. Grind your coffee, spices, etc. Easily adjusted, easily cleaned, chilled bearings. Best steel knives, weight 16 pounds. Price each.....**$4.60**

By Express at purchaser's expense.

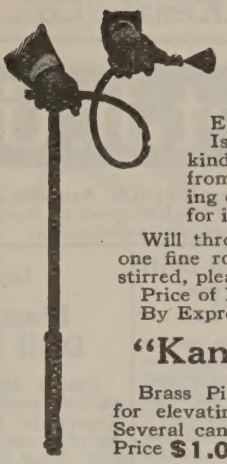
Extra Grinders **$1.00** per set. Postpaid



Poultry Medical & Surgical Case

Poultry medical and surgical case. Contains 10 specific remedies and surgical instruments for simple operations.

$3.00, Postpaid



"Kant-Klog (Junior 5)" Spray Force Pump

Everything except handle and hose are Solid Brass. Is the Easiest Working and will do more different kinds of work than any pump ever made. Will pump from a pail, barrel, tank, spring or creek. Without fastening of any kind, it stands firmly wherever placed. Ready for instant use everywhere.

Will throw two solid continuous streams, one flat spray and one fine round spray. Has automatic mixer to keep solution stirred, pleases everybody and will last a lifetime.

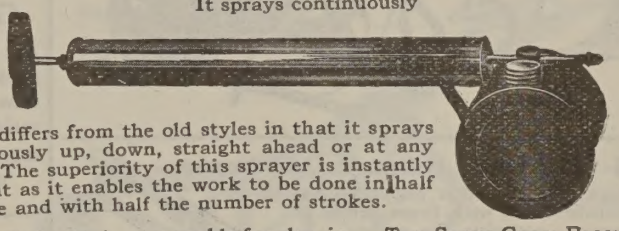
Price of Pump complete as shown in cut, **$7.60.**
By Express at purchaser's expense.

"Kant-Klog" Brass Extension Pipe

Brass Pipe with quarter-inch standard cut threads, needed for elevating the nozzle in tree spraying, whitewashing, etc. Several can be screwed together when desired. 3 ft. long.
Price **$1.00.** By express at purchaser's expense.

"Kant-Klog" Atomizer "Continuous Spray" No. 14

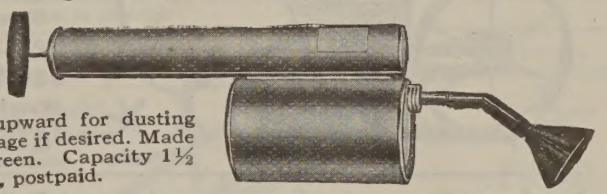
It sprays continuously



This differs from the old styles in that it sprays continuously up, down, straight ahead or at any angle. The superiority of this sprayer is instantly apparent as it enables the work to be done in half the time and with half the number of strokes.

Brass Spray Tube removable for cleaning. Two Spray Caps; Brass Valve; Tin Pump Barrel. Liquid tanks of tin and galvanized iron. Capacity one quart. Tin, **$1.45.** Express at purchaser's expense. **$1.65.** postpaid. Galvanized, **$1.60.** By express at purchaser's expense. **$1.80.** postpaid.

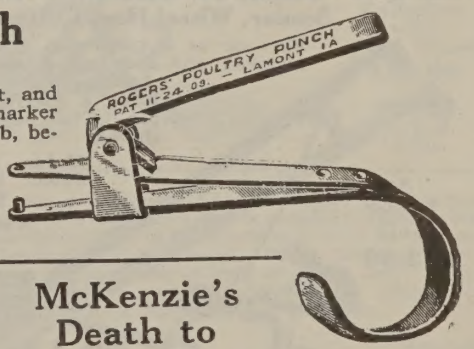
"Kant-Klog" Dry Powder Duster No. 6



For applying insecticides, disinfectants, etc., in dry form. Funnel can be turned upward for dusting under side of foliage if desired. Made of tin, painted green. Capacity 1½ quarts. **$1.70.** postpaid.

Poultry Punch

Each, **50c.** postpaid



This is the neatest, handiest, and easiest operating poultry marker made. By perforating the web, between the different toes, varying toe and foot, you can mark different hatchings, different breeds in most unlimited numbers.

McKenzie's Death to Green Fly

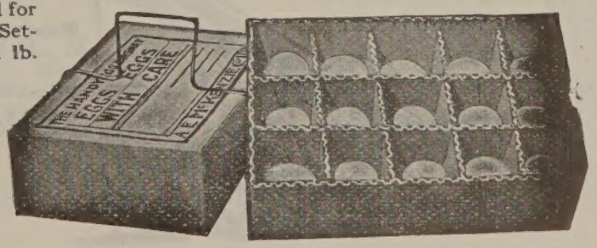
One of the best insecticides for plant use Destroys Green Fly, Slugs, Caterpillars, Currant Worms, Cut Worms, Rose Bugs, etc.

You can use it in the house, sinks, poultry houses, pig pens, stables, etc. It will kill any kind of insect and can be used anywhere.

Pkg. postpaid.....**50c.**

The Handy Egg Box

Particularly suited for shipping "Egg Settings." Weight 1 lb. Price (1 setting size) **$3.25** per doz. Price (2 setting size) **$5.25** per doz. By express at purchaser's expense.



Planet Jr. Garden Tools

Prices on this Page are f.o.b. Brandon, Man., except where otherwise noted.
The New "PLANET JR." Catalog is the handsomest, best and most instructive book ever issued on a similar subject. Complete with illustrations and information. We mail it free to any address on application.

No. 1 Planet Jr. Combined Drill Seeder, Wheel Hoe, Cultivator and Plow

The index contains the names of the principal seeds. The drill is set right for any seed when the name appears through the slot. The change is made by opening the cam, sliding the band to the required place, then closing it.

Weight packed, 47 lbs.

Holds 3 Pints of Seed
Price, with Tools as shown,
$21.00

No. 2 Planet Jr. Drill Seeder

Plants all varieties of garden seeds admirably. Especially adapted to planting small seeds shallow. Very strong.

Weight packed, 41 lbs.

$16.50

Planet Jr. Garden Tools

Are the best implements made. Will last a lifetime and give undoubted satisfaction.

Write for Special Large Illustrated Catalog

Planet Jr. Double Wheel Disc Hoe, Cultivator and Plow

This new tool will give excellent satisfaction; is especially pleasing to all who work peat lands. There are three oil-tempered discs on either side.

Weight 38 lbs

No. 14

Price with Attachments as in cut, **$20.00**

No. 3 Planet Jr. Hill and Drill Seeder

The thickness of seed is regulated by an accurate index with brass screw indicator; it contains the names of the important seeds in plain view at the top of Handle, and is carefully graduated both for hills and drills.

Holds 3 Qts. of Seed
Price **$25.50**
Weight, Packed, 43 lbs.

No. 11 Planet Jr. Double Wheel Hoe Cultivator and Plow

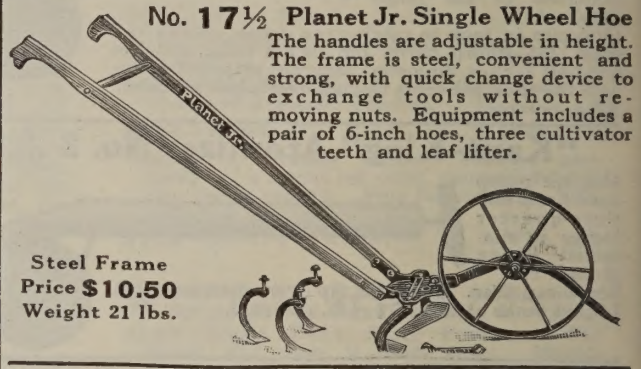
This is the best combined double and single wheel hoe made. The steel frame can be set at different heights.

Weight packed, 39 lbs.

$20.00

No. 17½ Planet Jr. Single Wheel Hoe

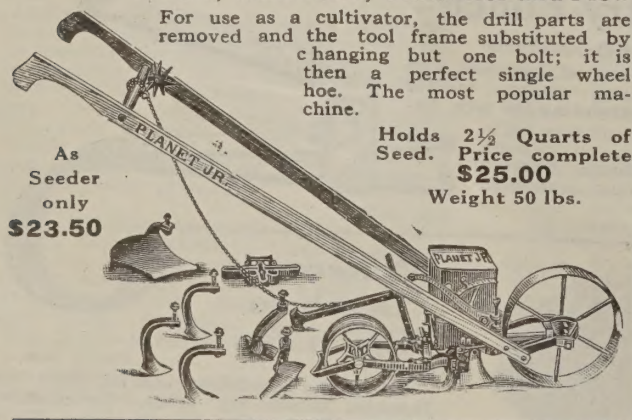
The handles are adjustable in height. The frame is steel, convenient and strong, with quick change device to exchange tools without removing nuts. Equipment includes a pair of 6-inch hoes, three cultivator teeth and leaf lifter.



Steel Frame
Price **$10.50**
Weight 21 lbs.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt; it is then a perfect single wheel hoe. The most popular machine.



As Seeder only **$23.50**

Holds 2½ Quarts of Seed. Price complete **$25.00**
Weight 50 lbs.

No. 12 Planet Jr. Double and Single Wheel Hoe

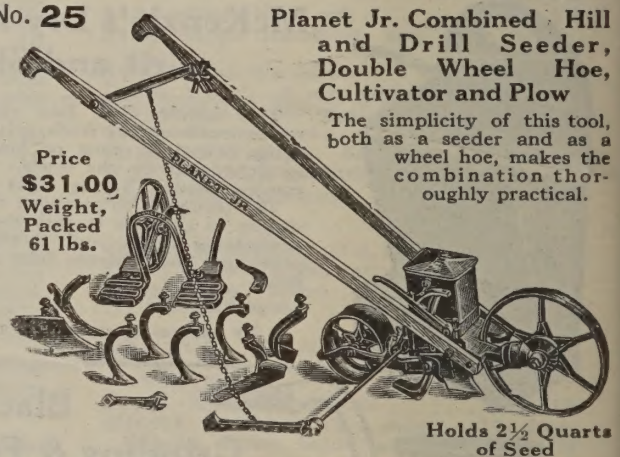
Identical with No. 11 except that the 4½-in. hoes and the rakes are not included in the equipment.

Weight packed, 33 lbs.

$16.50

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical.

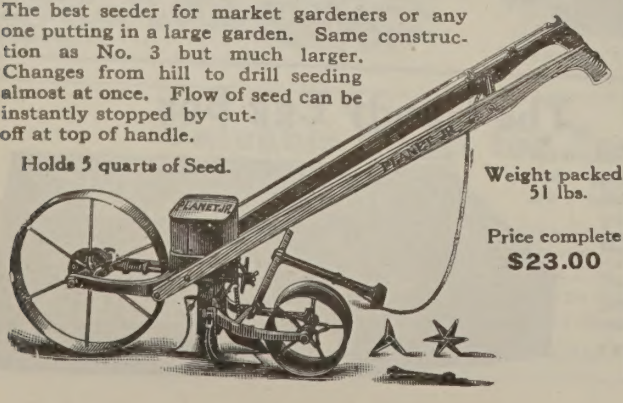


Price **$31.00**
Weight, Packed 61 lbs.

Holds 2½ Quarts of Seed

No. 5 Planet Jr. Combined Hill and Drill Seeder

The best seeder for market gardeners or any one putting in a large garden. Same construction as No. 3 but much larger. Changes from hill to drill seeding almost at once. Flow of seed can be instantly stopped by cut-off at top of handle.



Holds 5 quarts of Seed.

Weight packed 51 lbs.

Price complete **$23.00**

No. 13 Planet Jr. Double and Single Wheel Hoe Combined

Has same frame, wheels and handles as Nos. 11 and 12, but has for equipment one pair of 6 in. hoes only.

Weight packed, 28 lbs.

$12.00

No. 31 Planet Jr. Combined Drill Seeder, Cultivator and Plow

A most desirable implement for gardeners. It sows all Garden Seeds any thickness desired, with the greatest precision and to the last seed.

Weight complete packed, 32 lbs.
Price complete **$17.50**

Fire Fly Garden Plow

Exceedingly useful to small gardeners. Essentially the tool for the busy man with limited time for family gardening.

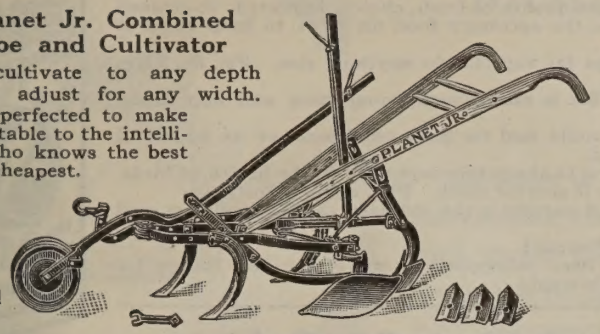
Weight packed, 14 lbs.

$6.00

Planet Jr. Horse Tools and Repairs

No. 8 Planet Jr. Combined Horse Hoe and Cultivator

You can cultivate to any depth desired, and adjust for any width. Every part is perfected to make the tool acceptable to the intelligent farmer who knows the best is always the cheapest.

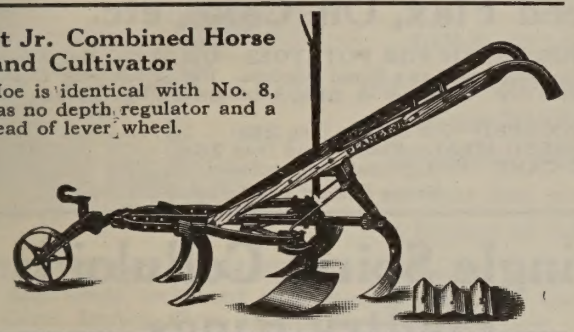


Weight packed, 83 lbs.

Price with Steel Wheel **$26.50**

No. 9 Planet Jr. Combined Horse Hoe and Cultivator

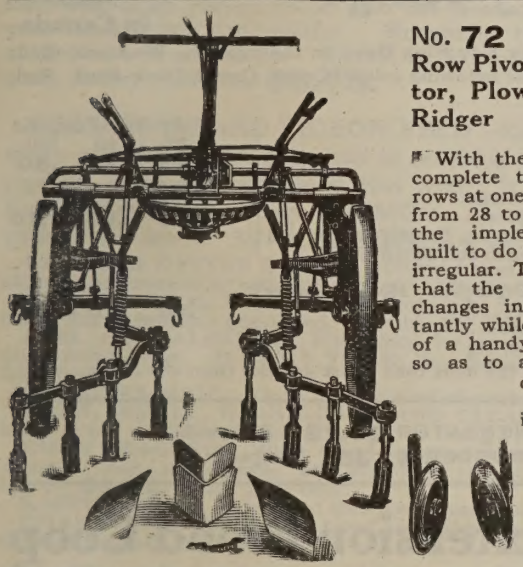
This Horse Hoe is identical with No. 8, except that it has no depth regulator and a plain wheel instead of lever wheel.



Weight packed, 70 lbs.

Price, with Steel Wheel **$23.00**

No. 72 Planet Jr. Two-Row Pivot Wheel Cultivator, Plow, Furrower and Ridger

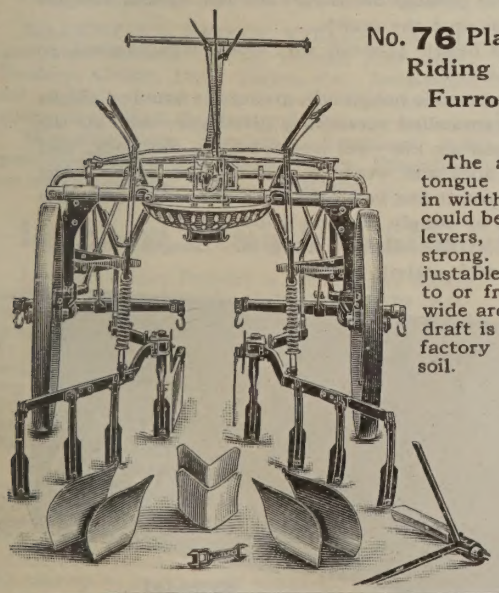


With the improved No. 72 we complete the cultivation of two rows at one passage at all widths from 28 to 44 in. inclusive, and the implement is especially built to do this when the rows are irregular. This tool is so designed that the operator can make changes in width of gangs instantly while in motion, by means of a handy lever for each gang, so as to accommodate the machine perfectly to rows which vary greatly in width.

Price, **$135.00**

Weight, 574 lbs.

No. 76 Planet Jr. Pivot Wheel Riding Cultivator, Plow, Furrower and Ridger



The arch is high, frame and tongue are of steel; the change in width of the wheels is all that could be desired. It has powerful levers, and the gang frame is strong. The standards are adjustable for depth, and to throw to or from the row. The extra wide arch is very desirable. The draft is arranged to insure satisfactory work in all conditions of soil.

Price, complete,

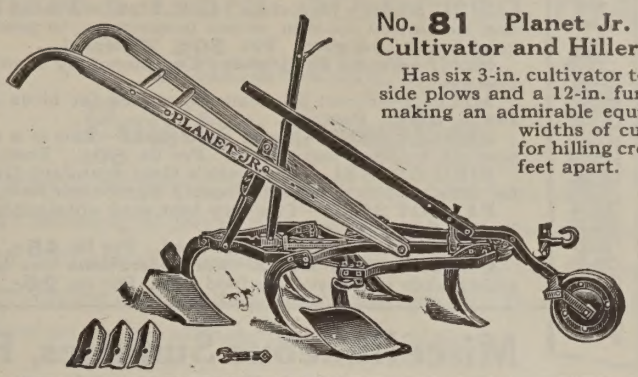
$100.00

Weight, packed, 526 lbs.

All prices on this page are f.o.b. Brandon, Man., except where otherwise noted

No. 81 Planet Jr. Horse Hoe Cultivator and Hiller Combined

Has six 3-in. cultivator teeth, two 6-in. side plows and a 12-in. furrowing tooth, making an admirable equipment for all widths of cultivation and for hilling crops up to four feet apart.



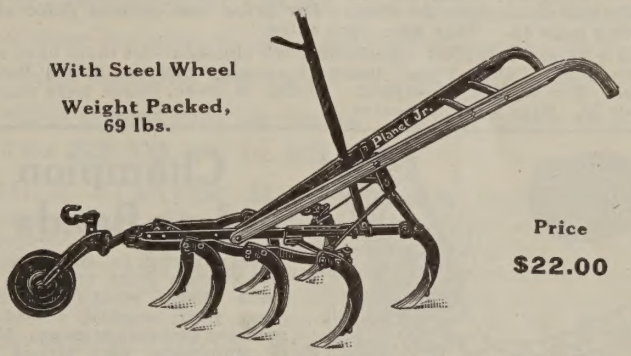
Weight Packed, 89 lbs.

Price **$27.50**

No. 83 Planet Jr. Seven Tooth Plain Cultivator

With Steel Wheel

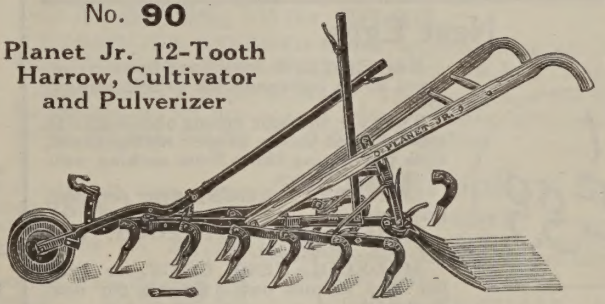
Weight Packed, 69 lbs.



Price **$22.00**

The Planet Jr. Seven Tooth Plain Cultivator, in the opinion of those who ought to know, is the coming one-horse cultivator, having seven teeth instead of five. The teeth are 2¼ inches wide and their work is finer and much more thorough than that of the five-tooth cultivator. A great favorite where fine cultivation is desired.

No. 90 Planet Jr. 12-Tooth Harrow, Cultivator and Pulverizer



This is a special favorite with strawberry growers, market gardeners and truckers

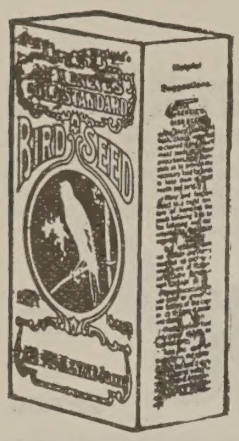
Complete with Steel Wheel **$26.00**

Weight packed, 74 lbs.

Planet Jr. Repairs

We carry a complete stock of repairs at Brandon. Remember every piece has a number; when ordering, give this number and also the number of the machine it is to be used on. We list below a partial list of repairs most in demand. While we carry generous stocks, we furnish repairs at prices quoted so long as stocks last. When necessary to import an order from the manufacturer, we are obliged to add to price quoted whatever the express charges are to Brandon.

	Postpaid
C 9 Drum for No. 1 Combined Drill Seeder	$4.00
C 16 Upper Spout for No. 1 Drill Seeder	1.25
C 23 Roller for No. 1 Drill Seeder	2.75
C 28 Roller Carrier for No. 1 Drill Seeder	1.65
R 3 Plow complete for Wheel Hoe and Combined Drills	3.50
R 5 Plow complete for Wheel Hoe and Combined Drills	3.55
K 248 Left Hand Seed Coverer for No. 4	.85
K 249 Right Hand Seed Coverer for No. 4	.85
K 409 Roller Carrier for No. 4	1.90
K 410 Roller for No. 4	2.45
K 243 Wheel Arm L. H. for No. 4	1.00
K 290 Wheel Arm R. H., for No. 4	1.25
K 412 Frame for Wheel Hoe	2.65
K 270 Opening Plow	1.60
K 280 Onion Opening Plow, 2½ in. wide	2.25
K 246 Spout for No. 4	4.50
C Standard only for Hoe, L.H.	.75
D 1 Standard only for Hoe, R.H.	.75
109 X (C. and 552) Hoe Complete, L. H. 4½ inches	1.35
108 X (D1 and 553) Hoe Complete, R. H. 4½ inches	1.35
46 X (C and 1092), Hoe Complete, L. H. 6 inches	1.50
47 X (D1 and 1093), Hoe Complete, R. H. 6 inches	1.50
449 X (C and 1700), Hoe Complete, L. H. 7 inches	1.60
450 X (D1 and 1701), Hoe Complete, R. H. 7 inches	1.60
436 X (C and 997), Hoe Complete, L. H. 8 inches	1.75
437 X (D and 998), Hoe Complete, R. H. 8 inches	1.75



Sundry Bird Supplies

BIRD SEED—McKenzie's Gold Standard is the finest quality of fresh, choice, imported, re-cleaned and well-mixed seeds in proper proportions, to provide the necessary food for birds to keep them in good health and song. Pkt. **50c.** Postpaid.

HEMP—Finest Re-cleaned—Considered by many as far superior to anything else. Per lb. **30c.** Postpaid.

MILLET—Finest Re-cleaned—as feed for birds Millet is exceptionally nourishing and appetizing. Per lb. **40c.** Postpaid.

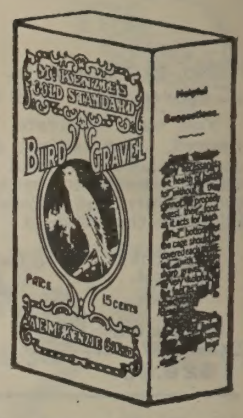
CANARY SEED—Finest Re-cleaned—This is a splendid feed for birds on account of its wonderful strength-building ingredients. Per lb. **50c.** Postpaid.

BIRD GRAVEL—McKenzie's Gold Standard Gravel is absolutely necessary to the health of birds, for without it they cannot properly digest their food, as it acts for teeth. Pkg. **45c.** Postpaid.

PARROT SEED—The very best seed obtainable for parrots is the ordinary garden sunflower seed Per lb. **35c.** Postpaid.

BIRD RAPE—Finest Re-cleaned. Per lb. **45c.** Postpaid.

CUTTLE FISH BONE—For generations this has been recognized as one of the best things for aiding birds to digest their food, etc. Per oz. **20c.** Postpaid.



Miscellaneous Sundries, Feed Flax, Oil Cake, etc.

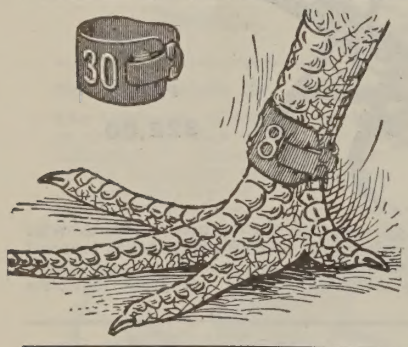
SUNFLOWER SEED—Every poultry man knows the egg-producing value of Sunflower seed, and for poultry feed, thousands of tons are annually sold throughout the West. ***For price, see colored price sheet following page 48.*** Bags **25c.** each extra.

CORN FOR POPPING—Remember the children—let them have some corn to pop. "Ours Pops" being thoroughly matured grain for the purpose. Per lb. **35c.** postpaid. 10 lbs. or more, buyer pays express. **20c** per lb. Bags **25c** each extra.

BUG DEATH FOR POTATOES—Use 32 lbs. Bug Death to 96 gallons water, when used as a liquid solution. Use 32 lbs. Bug Death per acre when applied dry. Price per lb. **35c.** 3 lbs. **85c.** 5 lbs. **$1.40.** Postpaid.

	Per 100 lbs.
FLAX SEED—For feeding (bag **25c**)	**$ 6.00**
LINSEED MEAL—Fine ground (bag **25c**)	**6.50**
OIL CAKE—Fine ground (bag included)	**5.00**

Prices Subject to Market Fluctuations.

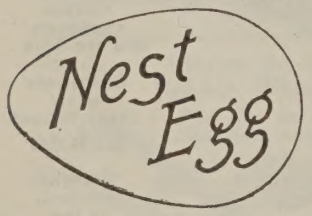


Champion Leg Bands

Very useful in distinguishing select fowls from others in the same flock, identifying them from your neighbor's and for marking certain hatchings. Made of aluminum, very strong and durable. Easily attached. Fastens securely. Numbered from 1 to 100.

12	25	50	100
25c	**35c**	**55c**	**85c** Postpaid.

Nest Eggs



Nest Eggs have long since been recognized as an indispensable article around fowls.

They are the best means obtainable to attract hens to the proper laying place, thus preventing them from seeking out-of-the-way places.

LIME NEST EGGS, **60c** per doz. Postpaid.

PORCELAIN NEST EGGS, **60c** per doz. Postpaid.

MEDECOL NEST EGGS, to keep lice and vermin out. **$1.20** per doz. Postpaid.

Single Spiral Celluloid Poultry Rings

Made in Canada

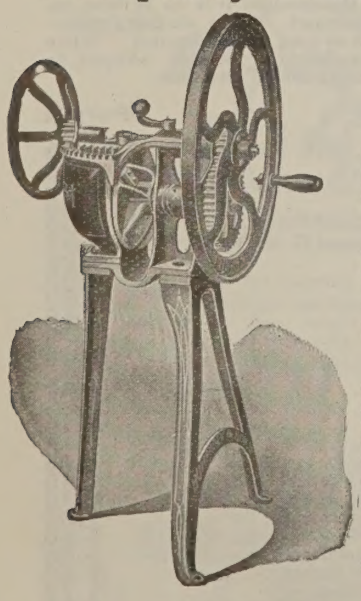
Far superior to any other Key Ring Band on the market. We stock them in eight different sizes in the following colors: Cerise, Green, Dark Blue, Red, Light Blue.

Table of Sizes	Prices 25	Postpaid 50	100
Size 1a For Pigeons			
2 " Bantams	**.25**	**.40**	**.80**
3 " Half Grown Chicks			
4 " Minorcas, Leghorns			
6 " Campine, Hamburg, Scotch Greys, and Langshan, French and Small Ducks	**.35**	**.65**	**$1.10**
7 " Wyandotte, Plymouth Rocks, Large Ducks			
8 " Cochin, Brahma			
9 " Turkeys, Geese, etc.	**.40**	**.70**	**$1.20**

In each case the hens take a size smaller than the cocks.

THERMOMETER INCUBATOR **$1.25.** Postpaid.
THERMOMETER BROODER **$1.35.** Postpaid.

Humphrey Bone Cutter and Rapid Alfalfa and Clover Cutter



No. 1. The popular size for flocks of 10 to 200 hens. The always-open hopper measures 4½ x 5 in. and will take a large steer knuckle bone. This is a hand power machine, weight 120 lbs. Price.....**$30.00**

No. 2½. Is a combined hand and power cutter of the same bowl capacity as the No. 1; intended for poultrymen who have power, but find it convenient to use the machine by hand at times when the power is not in motion. Weight 135 lbs. Price.....**$36.00**

CLOVER CUTTER—Every poultryman, having from 12 to 20 hens, should have a Humphrey Clover Cutter. This machine has large capacity, so that it takes very few minutes to cut enough clover or alfalfa for large yards. The cuttings are so small and uniform that there is virtually no waste. Price **$24.75**

Write for prices on any not listed here.

Humphrey Bone Cutter Catalog mailed upon request.

WRICO Extension Brood Coop

A profitable investment for poultry breeders. No lost, stolen, strayed or sick chicks to figure up against the profits.

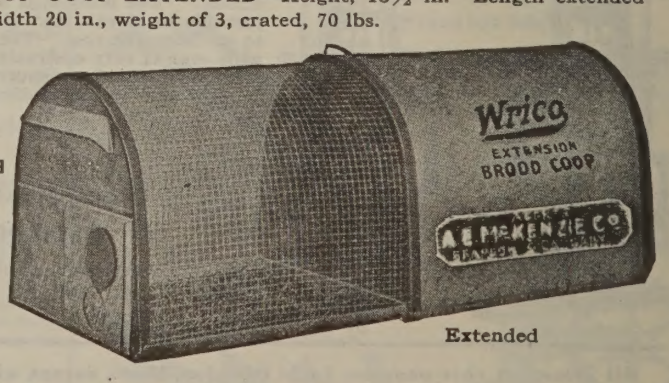
The extension is made of heavy ½-mesh wire cloth, regalvanized, so the wires will not spread apart.

In fine weather the cage portion is pulled out, giving the hen and chicks double area to roam—untrammelled scratching privileges—and all the advantages of a natural open air life—yet isolated from the flock, and protected from rats, cats, dogs and weasels. The sliding edge of the extension being set in a groove, it can be closed without the least trouble or danger to the occupants, by simply pushing it in.

SIZE OF COOP EXTENDED—Height, 18½ in. Length extended 46 in., width 20 in., weight of 3, crated, 70 lbs.

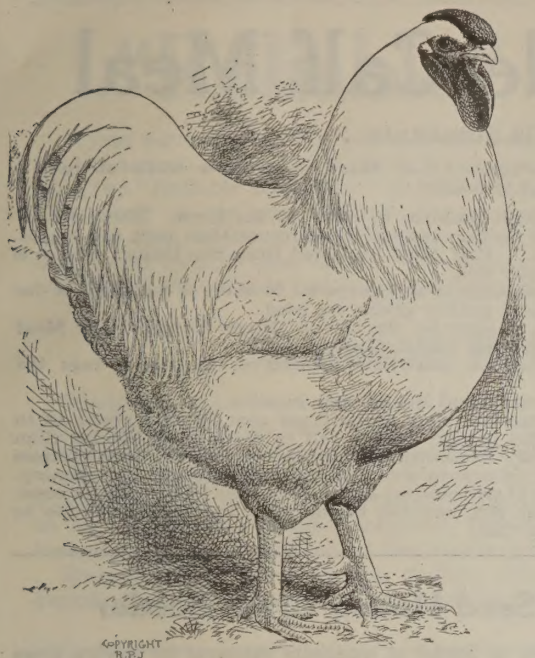
Well Ventilated, warm and weather proof

Price $6.65 each



Extended

ALL PRICES ON THIS PAGE ARE F.O.B. BRANDON, EXCEPT WHERE OTHERWISE NOTED.



McKenzie's Gold Standard Brands Unexcelled Poultry Supplies

The secret of profitable poultry is inseparably bound up with proper feeding and management, always assuming of course that the proper breeds are selected, and really good strains chosen. Injudicious feeding, i.e., using improperly balanced foods, is responsible for more trouble and disappointment with poultry than anything else. It is poor economy to feed screenings or cheap hap-hazard mixtures.

GOLD STANDARD LAYING MASH—Prepared particularly to increase production, containing in the proper proportions: Beef Scraps, Oil Meal, Alfalfa Meal, Bran and Middlings. All of these are easily digested and high in protein. In feeding tests Laying Mash has been found absolutely necessary. This is a splendid feed and we are sure that you will be highly pleased with the results. Keep it before your hens in hoppers all the time. 50 lbs. **$3.10,** 100 lbs. **$5.80.**

GOLD STANDARD SCRATCH FEED—A balanced ration of selected grain and seeds recleaned and sweet, containing Corn, Wheat, Kaffir Corn, Barley, Oats, Hemp, Sunflower and Grit. A feed that is an honest value with the elements necessary to make your birds strong and healthy. Remember that they like a change of diet as well as you do. Should be fed morning and evening in a clean litter. 100 lbs. **$3.75.**

GOLD STANDARD PIGEON FEED—Knowing of the trouble many pigeon fanciers have had in securing suitable seed for their pigeons, we have formulated this feed. It contains Flint Corn, Kaffir Corn, Peas, Hemp and Millet. A splendid feed in every sense of the word. 50 lbs. **$3.95,** 100 lbs. **$7.50.**

CRUSHED OYSTER SHELL Nothing better for increasing the egg supply and preventing soft shelled eggs. 100 lbs **$2.65** Bags free.

MICA CRYSTAL GRIT. An exceptionally fine, flinty grit. Poultry needs this to properly grind food. 100 lbs. **$2.75.**

FINE CUT ALFALFA. Made from the finest quality of green kiln-dried Alfalfa Hay. 25 lbs. **$1.75.** 50 lbs. **$3.00.** 100 lbs. **$5.50.** Bags free.

MOLASSES MEAL. Good for any kind of stock. 100 lbs. **$6.00.**

CORN, WHOLE, HIGH-GRADE AND CLEAN. From time immemorial corn has been recognized as one of the best poultry feeds. 50 lbs. **$1.60.** 100 lbs. **$2.85.** Bags **25c** each.

CORN CRACKED. When corn is cracked it requires more energy to pick up and is more easily digested than whole corn, and for these reasons, possesses an added value. 50 lbs. **$1.70.** 100 lb. **$3.00.** Bags **25c** each.

KAFFIR CORN. A splendid feed for pigeons and can be fed whole to poultry. 100 lbs. **$3.60.**

CHARCOAL. It purifies the blood, aids digestion and tones up the whole system. 50 lbs. **$2.50.** 100 lbs. **$4.50.** Bags free.

CHICK STARTER MASH—Contains dried buttermilk, especially prepared for the baby chicks first feed with the proper ingredients to build them up rapidly. The dried buttermilk contains lactic acid which aids greatly in preventing the troublesome white diarrhoea. Keep this before them in a hopper at all times. They cannot eat too much of it. 25 lbs. **$1.65,** 50 lbs. **$3.00,** 100 lbs. **$5.75.**

GOLD STANDARD CHICK FEED—A balanced ration of finely milled, nourishing grains; milled to a size that can be easily digested and with no danger of crop binding. The ideal scratch feed for the little chicks. Feed at first on the bare floor, later in a clean litter, as this encourages exercise and promotes health. 50 lbs. **$2.95,** 100 lbs. **$5.65.**

McKENZIE'S CRUSHED BONE, specially prepared. Will keep in any kind of weather. 50 lbs. **$3.35,** 100 lbs. **$6.50.** Bags free.

McKENZIE'S BEEF SCRAP. The quality is of the very finest. Beef Scraps can be fed dry or with cooked rations, with satisfactory results. 50 lbs. **$5.50,** 100 lbs. **$10.00.** Bags free.

McKenzie's Insect Killer

McKENZIE'S INSECT KILLER. A safe and sure remedy for all vermin that infest Poultry, Cattle, Dogs, Sheep, etc. Invaluable for ridding house plants and vegetables of green and black flies, caterpillars, worms, etc.

Non-poisonous, absolutely harmless. A powerful disinfectant and deodorizer. Directions on every package. **60c.** Postpaid.

Lambert's Death to Lice

Lambert's Lice Powder is perhaps the oldest and best known remedy of its kind on the market. A Disinfectant Insect Powder. This preparation will rid your fowls of all vermin. It is both cheap and effectual. Setting hens well dusted with Lambert's Death to Lice during incubation will bring off a healthy brood. Price 5 oz. box **35c,** 15 oz. box **75c,** 48 oz. package **$1.70.** 100 oz. package **$3.25.** Postpaid.

We believe Zenoleum is the best general live stock remedy for lice and vermin on all animals and a positive disinfectant and cure for skin troubles, and external parasites in hogs and sheep. Our guarantee: If Zenoleum is not what we represent it to be, we will refund your money. 8 oz. tin postpaid, all other sizes by express at purchaser's expense.

8 oz. tin **65c,** makes 6 gals. fluid.
1 qt. tin **85c,** makes 25 gals. fluid.
2 qt. tin **$1.55,** makes 50 gals. fluid.
1 gal. tin **$2.65,** makes 100 gals. fluid.

COAL-TAR
ZENOLEUM
DISINFECTANT-DIP

Conkey's Poultry Remedies

ROUP CURE. Small size **70c,** medium size **$1.20,** large size **$2.10.** Postpaid.

CHOLERA CURE. Package, small **70c,** Package, large **$1.20.** Postpaid.

GAPE CURE. Package **$1.20.** Postpaid.

RHEUMATIC REMEDY. Package **$1.20.** Postpaid.

POULTRY LAXATIVE. Package **75c.** Postpaid.

HEAD LICE OINTMENT. A wonderful remedy for this aggravating pest. Package, small **45c,** large **70c.** Postpaid.

LICE LIQUID. The safest and surest exterminator of this pest. 1 qt. **$1.20,** 2 qts. **$1.50,** 1 gal. **$2.25.** By express at purchaser's expense.

LIMBERNECK REMEDY. Package **$1.00.** Postpaid.

SCALY LEG REMEDY. Package **75c.** Postpaid.

WHITE DIARRHOEA REMEDY. Price **70c.** Postpaid.

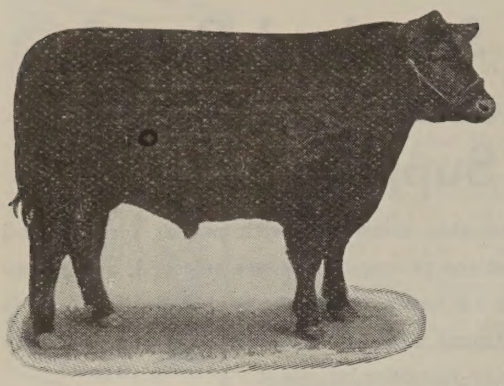
BRONCHITIS REMEDY. A guaranteed specific for this dangerous ailment. **$1.35.** Postpaid.

Lee's Poultry Remedies

INSECT POWDER. A non-poisonous powder and very effective insecticide; unexcelled for worms, flies, aphis, and all kinds of insects. Package **60c.** Postpaid.

LIQUID LICE KILLER. Acknowledged by practical poultrymen as the easiest, safest and surest method of curing fowls of this affliction. 1 qt. can **80c.** At purchaser's expense.

GERMOZONE TABLETS. The great cure for Cholera, Colds, Canker, Chicken Pox, Swelled Head, etc. Pkg. **$1.10,** Postpaid.



Royal Purple Calf Meal

The New Milk Substitute

You can raise just as good calves on "Royal Purple" Calf Meal as on new milk at just a quarter of the cost

The raising of calves is probably the most difficult problem to solve on the farm. The price of butter and milk has advanced to such a point that farmers cannot afford to use their milk for calves.

"Royal Purple" Calf Meal is "made in Canada." Calf Meal imported from the United States is subject to 25 per cent duty. The consumer has to pay this.

"Royal Purple" Calf Meal is constituted of grains scientifically prepared to make it a substitute for new milk; only the very best matured clean and good quality grains are used.

The results obtained by stock men all over the country by the use of "Royal Purple" Calf Meal justify us in stating that it is the highest grade Calf Meal sold in Canada.

All mixed feeds, according to Government regulations, must have printed on the bags or tags the amount of protein fat and fibre contained therein.

A full-grown animal requires a great deal more protein and less fat than a calf.

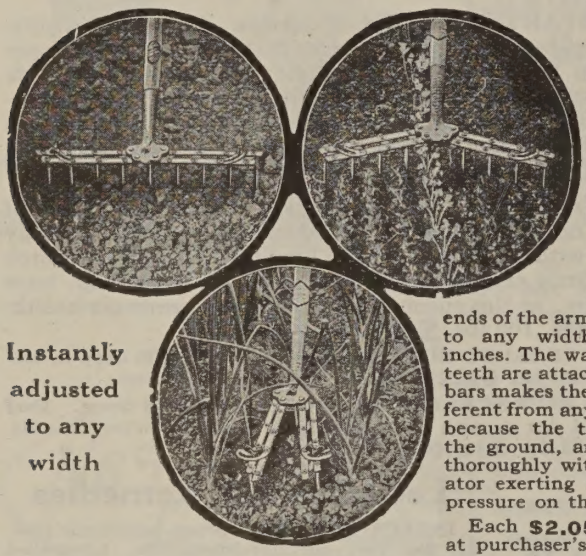
A calf meal, to be a substitute for milk, should contain more than 10 per cent fat and about 18 to 20 per cent protein. More protein than this makes it hard for the calf to digest, and less fat than 10 per cent is not enough to take the place of milk. Recently Government inspectors drew samples of Royal Purple Calf Meal from bags which were on sale in stores in different parts of the country. Not one sample when analyzed contained less than 11 per cent fat and a little over 18 per cent protein. This information will be found in Bulletin Number 388, and can be had post free on application to Laboratory, Inland Revenue Department, Ottawa, Ont.

Royal Purple Calf Meal is put up in bags, and sold as under:

25 lbs.	50 lbs.	100 lbs.
$2.00	**$3.75**	**$7.00**

Bags free, f.o.b. Brandon, Man.

PULL-EASY Garden Cultivator Adjustable



Instantly adjusted to any width

EVERYONE who has worked in a garden will see the advantages of the "PULL-EASY" over any other garden tool. When the arms are spread out to full width of 18 inches, the cultivator is like a rake. For narrower rows the outer ends of the arms can be closed to any width down to 7 inches. The way in which the teeth are attached to the side bars makes the cultivator different from any ordinary rake because the teeth penetrate the ground, and pulverize it thoroughly without the operator exerting any downward pressure on the handle.

Each **$2.05.** By express at purchaser's expense.

Brandon Seed House Grass Seeder

This Wheelbarrow style of Seeder is especially designed for sowing grass seeds broadcast (all kinds) and fills a very important want in farming. No waiting for a calm day. Sow any time. The Hopper is carried so close to the ground that the wind does not blow and scatter the seed.

They sow any quantity per acre desired, evenly and accurately. The complete machine weighs about 50 lbs. and runs easily, sowing from 20 to 40 acres per day. There are upwards of 200,000 of these machines in use. We have on hand 2 kinds.

No. 8 for Brome Grass, Clover, Timothy, Alfalfa, Hungarian Millet, Rape and other seeds of same size and kinds. Has 10 ft. Hopper. Price of No. 8 **$15.00.**

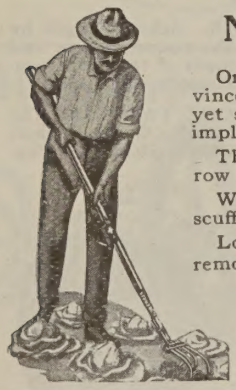
No. 9 for Western Rye Grass, Clover, Timothy, Alfalfa, Hungarian Millet and Rape and any other seeds of same size and kind. Has 14 ft. Hopper.

The No. 9 will not sow Brome Grass successfully.

Price of No. 9, **$14.50.**

The Wheelbarrow or Gearing is the same style for both No. 8 and 9. The difference is in the Hoppers. We can supply both Hoppers and one Gearing if desired, also Hoppers separately at **$9.00** each.

Norcross Garden Cultivator



One look at the illustration of the Norcross convinces immediately of the utility of this remarkable yet simple little garden tool. One actual trial of the implement proves it is indispensable.

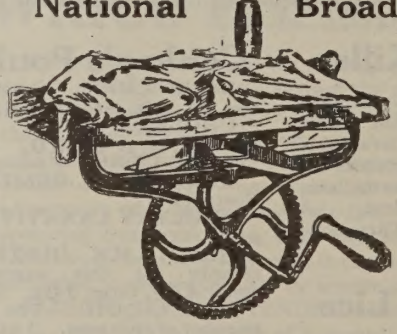
The centre shovel can be quickly removed and the row straddled.

When rows are close together, the three inside scufflers may be used.

Loosening two nuts releases any one of prongs to be removed. Detaching centre shovel and reversing other four makes a potato digger. It pulls weeds, pulverizes the soil thoroughly, giving level cultivation.

Each, **$1.35.** By express at purchaser's expense.

National Broadcast Seeder



This seeder will sow about 20 acres per day and distribute the seed evenly. It will sow any seed that is sown broadcast, such as Oats, Wheat, Rye, Flax, Millet, Clover, Lawn Grass, Timothy, Western Rye, Brome, etc. Is very easily adjusted to suit any seed. The hopper holds about one-half bushel. It is the strongest, neatest, and most compact hand-seed sower made.

Price **$2.60** by express at customer's expense, or, **$2.85.** postpaid.

Vaporite

The Original Insecticide for the Soil

Kills Cutworm and all similar insects in the soil

Destroy Cutworms and other Soil Insects before you sow the seed.

Scatter the VAPORITE POWDER over the soil, then work it thoroughly into the soil by digging or plowing. 1 lb. per 8 square yards.

Contact with the moist soil causes a chemical action to take place releasing DEADLY FUMES which destroy ALL INSECT PESTS in the soil. If the soil is very dry at the time of application, the Vaporite will act more effectively and promptly if a good soaking of water is applied. Where this can be easily accomplished it is desirable. SEEDING OR PLANTING operations may be safely undertaken ONE WEEK AFTER the Vaporite has been applied.

1 lb. **35c.** 7 lbs. **$2.00.** Postpaid. 14 lbs. **$2.40.** 28 lbs. **$4.10.** By express at purchaser's expense.

Cutworm Killer

There is no more exasperating insect pest with which the gardener contends than the cutworm. All the work, expense and anticipation of financial returns are wiped out in a night. The cutworm, in about three bites, kills the entire plant as effectively as though it were consumed root and branch. And all this is so easily avoided.

Just drop a teaspoonful of Cutworm Food around each plant the day it is set out, or on each hill as the seedlings break through; and instead of eating the plants the worm eats a little of the Food and immediately dies.

The Food will not injure the most delicate plant.

One pound will protect 75 to 100 plants. 1 lb. **75c.** Postpaid.

PRICES ON THIS PAGE ARE F.O.B. BRANDON, MAN., UNLESS OTHERWISE NOTED

"Reliable" Incubators and Brooders

A year ago in view of the fact that we had learned that some of our customers had a preference for the square shape, box type of Incubator, we decided, after careful investigation, to introduce the "Reliable Incubator" and "Reliable Blue Flame Wickless Oil Heated Colony Hover." The result of one year's practical experience of our customers indicates that we made no mistake and we are pleased to again offer these machines, believing that the term "reliable" is apt, and that all who use them according to directions, which are given with each machine, will find them reliable hatching and brooding machines.

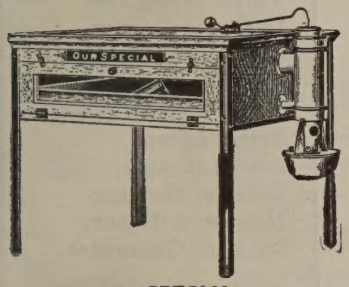
STANDARD

"Standard Reliable" Incubators

These are made, and our stock includes two styles, Hot Air and Hot Water. Only the very finest materials have been used in their construction; they are double walled, heavily insulated and guaranteed to be positively self-regulating.

Can be operated anywhere. Owing to the superior construction of the "Standard," any variation of the surrounding temperature does not affect. This same feature enables them to be run at the minimum expense, the consumption of coal oil to maintain the necessary temperature being reduced to the lowest point.

Guaranteed to hatch strong, healthy chicks from every fertile egg, if simple instructions, supplied with each machine, are carefully followed.



SPECIAL

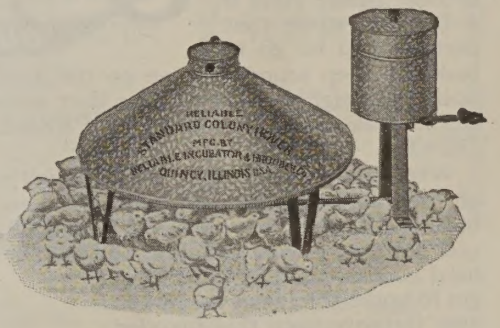
"Special Reliable" Incubators

The materials used in the construction of this machine, like the "Standard", are of the very best quality; the "Special" however is not so heavily insulated, and is consequently more affected by variation of temperature. If used in a room where the temperature can be more or less controlled, and where little variation will be experienced, they will do just as good work as the "Standard," and have been made to meet the requirements of poultry raisers who want a dependable high-class machine at a lower price than the "Standard" machine can be sold for.

"Reliable" Blue Flame Wickless Oil Heated Colony Hover

The advantages of this Hover over other makes are many, but lack of space prevents enumeration. We will, however, mention three excellent features:

(1) Hard coal is sometimes difficult to obtain, Coal Oil is always available.
(2) No dirt, no ashes, no noise pouring in coal to disturb or scare the young chicks.
(3) The Automatic Regulator Attachment, once properly adjusted, according to directions, controls the heat and insures a uniform temperature, adequate ventilation, and scientifically regulates the flow of oil; the risk of fire going out is reduced to a minimum.



WICKLESS OIL HEATED COLONY HOVERS

We have in stock the following very useful sizes and styles of Incubators and Hovers, and can give prompt shipment.

Don't wait until you are ready to use, order early and have on hand, and avoid disappointment.

Incubator Standard. Hot Air. Capacity, 100 eggs; weight, 70 lbs... **$24.50**

Incubator Standard. Hot Air. Capacity, 140 eggs; weight, 110 lbs.. **$34.00**

Incubator Standard. Hot Water. Capacity, 100 eggs; weight, 75 lbs... **$31.25**

Incubator Standard. Hot Water. Capacity, 140 eggs; weight, 115 lbs.. **$40.00**

Incubator Special. Hot Water. Capacity, 70 eggs; weight, 40 lbs..... **$17.00**

Colony Hover No. 0, size, 30 in.; Capacity, 350 chicks; weight, 40 lbs... **$20.50**

Colony Hover No. 1, size 42 in.; Capacity, 500 chicks; weight, 45 lbs... **$22.85**

Colony Hover No. 2, size 52 in.; Capacity, 1,000 chicks; weight, 55 lbs.. **$27.25**

All prices quoted on this page, f.o.b. Brandon, Man.

Look into this special offer of Cypher's Incubators and Brooders: they are exceptional values

Cyphers' Incubators and Brooders

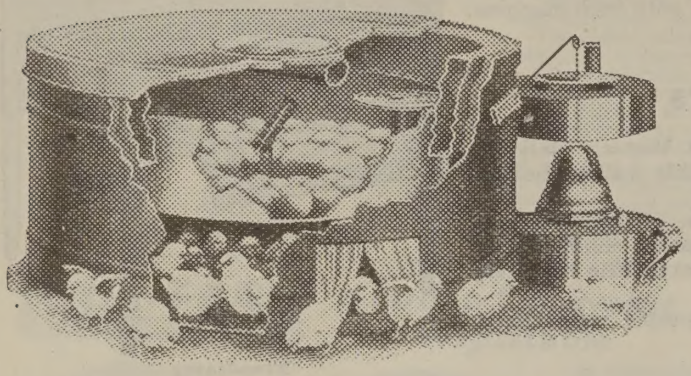
The old Cyphers' Company has been dissolved and, in consequence, we have decided to discontinue handling these machines. We have a few in stock both at Brandon and Calgary, which we have decided to sell out at a very low price to clear. The prices at which we are selling are considerably below their value. In fact we question if they could be made today at anything like these prices. This gives poultry raisers an opportunity of securing high grade machines at an unusually low figure. We only offer them at these prices so far as our present stocks last.

INCUBATORS	Capacity	Weight	Regular Price	Reduced Price
No. 1 Electrobator	60 eggs	40 lbs.	$40.00	$32.00
Standard No. 2	244 "	215 "	68.45	52.65
Columbia Hot Air	140 "	70 "	37.50	30.00
Columbia Hot Air	250 "	110 "	43.50	33.40
Adaptable Hover	100 chicks	50 "	29.50	22.70
Portable Hover	100 "	40 "	21.75	16.75

BROODERS	Capacity	Weight	Regular Price	Reduced Price
Style A, Outdoor	75 chicks	135 lbs.	$30.90	$25.75
Style B, Outdoor	100 "	208 "	50.50	39.20
Style D, Indoor	75 "	120 "	34.25	26.35
Paradise, Indoor, Base Section	140 "	250 "	56.95	43.75
Paradise, Indoor, Upper Section	140 "	150 "	41.60	32.00
Practical Egg Tester	....	12 "	2.50	2.00

Simplicity Incubators

"HAVE NO COLD CORNERS"



They come clean out of the shell

Another year's trial has demonstrated convincingly the value of this incubator as a hatching and brooding device. It measures up all the way to the claims made for it by the makers. We recommend these machines with perfect confidence.

MADE IN 3 USEFUL SIZES

50-Egg Capacity, 25 lb. **$23.75** 100-Egg Capacity, 40 lb. **$32.50**

150-Egg Capacity, 60 lb. **$37.00**

THE 27 CELEBRATED SIMPLICITY FEATURES

Greater Simplicity
More Convenient
No-cold-corners
No-cold-side-walls
Unique Design
Unusual Beauty
Heat Distribution
Great Oil Saving
Natural Ventilation
Hot Water Heat
Moisture System
More Sanitary
Circular Radiator
Heat Regulator
Splendid Insulation
Brooder Feature
Visible Glass Top
14-Ounce Copper
Galvanized Steel
Best Thermometer
Better Burner
Better Lamp
Lasts Lifetime
Greatest Hatcher
Nearest to Nature
Stronger Guarantee

BETTER SERVICE

Simplicity Brooder Stoves

TRADE MARK REGISTERED

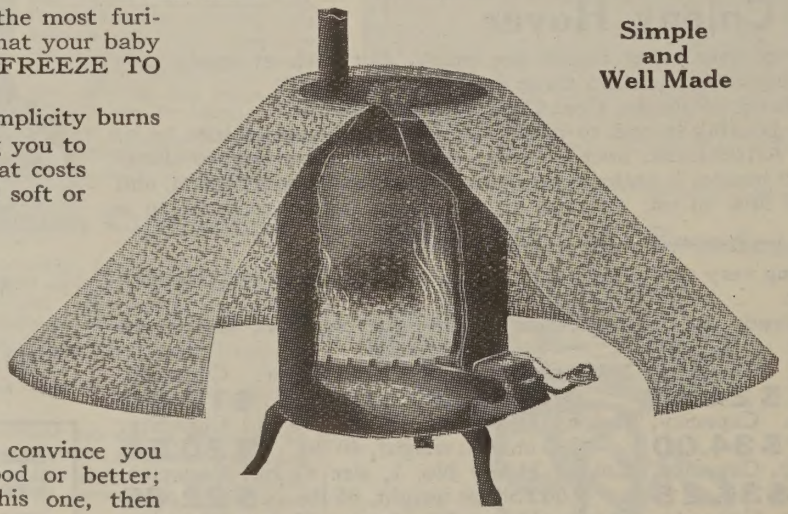
BURN ALL FUELS EQUALLY WELL

A combination of steel and iron is the ideal way to build a brooder stove. Here is a brooder stove that permits you to go to bed and sleep soundly—even on the most furiously cold nights—without fear that your baby chicks will suffer discomfort or FREEZE TO DEATH.

When you consider that the Simplicity burns all fuels satisfactorily—permitting you to burn trash, corn cobs or wood that costs you nothing, during the day, and soft or hard coal at night, you will begin to appreciate what a remarkable improvement this brooder stove is over the old style, cast iron, one-fuel brooder stove.

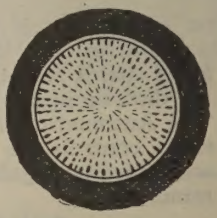
You should see and operate this brooder stove to fully appreciate its wonderful merit. We know you will like this stove. Don't let anyone try to convince you they have something just as good or better; get all the information about this one, then judge for yourself.

Weight 60 lbs. Price $27.50



Simple and Well Made

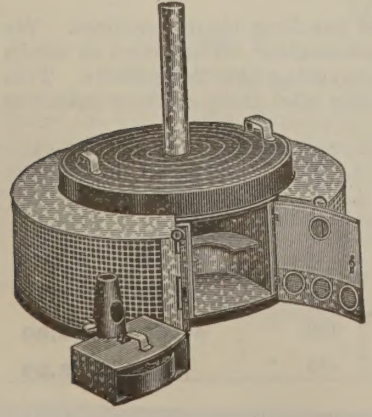
Prices on this page are f.o.b. Brandon, Man.



How the Round Simplicity is Heated

Circular hot water radiator—entirely surrounds egg chamber! Means no-cold-side-walls — no-cold-corners! Equal heat—ample heat to every egg! The Mother Hen Principle! Nature's way!

The "Daisy" Hover



Some of our customers prefer this type of Hover or Brooder, so we offer it in addition to our popular Coal Burning Brooder.

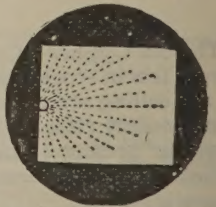
Note its clean-cut finish, compact design and careful workmanship. It has been thoroughly tested and in successful use for many years.

It is built of sheet steel throughout, and the metal radiator extends directly over lamp, receiving the heat without waste or danger. Note how the lamp is protected.

A wire cage entirely surrounds the Hover and has an extension so it can be enlarged as the chicks grow. It also protects the chicks from rats and cats, etc.

The Hover is complete and no extras to buy.

Weight 25 lbs. Price $18.75



How Old Style Incubators are Heated

Heating pipes attached to top of egg chamber mean cold side walls—cold corners—unequal heat distribution! Eggs don't have fair chance! Chicks can't be strong!

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QUANTITY OF SEED TO SOW PER ACRE AND WEIGHT PER BUSHEL

GRAINS

	Per acre	Per bus.
Barley, Broadcast	2 to 2½ bus.	48 lbs.
Barley, in drills	1½ to 2 bus.	
Barley, Hulless	1½ to 2 bus.	60 lbs.
Buckwheat, broadcast	¾ to 1 bus.	48 lbs.
Corn, 1 lb. to 80 hills	10 to 20 lbs.	56 lbs.
Corn, in drills	¼ to ½ bus.	
Sunflower	10 to 12 lbs.	
Flax	20 lbs.	56 lbs.
Oats	2 to 3 bus.	34 lbs.
Peas	2 to 3½ bus.	60 lbs.
Rye—Spring or Winter	1¼ to 1½ bus.	56 lbs.
Speltz	2 bushels	50 lbs.
Tares or Vetches	2 to 2½ bus.	56 lbs.
Wheat, in drills	1¼ to 1¾ bus.	60 lbs.

FIELD ROOTS AND RAPE

	Per Acre
Sugar Beet	4 to 6 lbs.
Carrot	2 to 3 lbs.
Mangel Wurtzel, in drills	4 to 6 lbs.
Potatoes in hills or drills, cut tubers	10 to 14 bus.
Potatoes cut to single eyes	6 to 8 bus.
Rape, in drills	2 to 3 lbs.
Rape, broadcast	4 to 6 lbs.
Turnip, Fall	1¼ to 2 lbs.
Turnip, Swede	2 to 2½ lbs.

GRASSES AND CLOVERS

	Per acre	Per bus
Red Clover, Common	12 lbs.	60 lbs.
Sweet Clover	12 to 15 lbs.	60 lbs.
Alsike	8 lbs.	60 lbs.
White Clover	10 lbs.	60 lbs.
Alfalfa (all varieties)	8 to 10 lbs.	60 lbs.
Timothy	6 lbs.	48 lbs.
Brome Grass	14 lbs.	14 lbs.
Western Rye	15 lbs.	14 lbs.
Kentucky Blue	30 lbs.	14 lbs.
Red Top	15 lbs.	14 lbs.
Orchard Grass	10 lbs.	14 lbs.
O.K. Pasture Grass	15 lbs.	18 lbs.
Millet	20 lbs.	48 lbs.
Sudan Grass, broadcast	20 lbs.	

MIXTURES

Timothy, 5 lbs.; Red Clover, 8 lbs.	Per acre
Timothy, 5 lbs.; Alsike, 6 lbs.	"
Timothy, 5 lbs.; Alfalfa, 5 lbs.	"
Western Rye, 8 lbs.; Red Clover, 8 lbs.	"
Western Rye, 8 lbs.; Alsike, 6 lbs.	"
Western Rye, 8 lbs.; Alfalfa, 6 lbs.	"
Timothy, 3 lbs.; Western Rye, 5 lbs.; Red Clover, 8 lbs.	"
Timothy, 3 lbs.; Western Rye, 5 lbs.; Alsike, 6 lbs.	"
Timothy, 3 lbs.; Western Rye, 5 lbs.; Red Clover, 5 lbs.	"

VEGETABLE SEEDS

	Quantity per acre
Artichoke	1 oz. to 500 plants — 6 oz.
Asparagus	1 oz. to 800 plants — 1 lb.
Beans	2 lbs. to 100 ft. of drill — 1 bus.
Beet, garden	1 oz. to 50 ft. of drill — 6 lbs.
Broccoli	1 oz. to 2,500 plants — 8 oz.
Cabbage	1 oz. to 2,500 plants — 8 oz.
Carrot	1 oz. to 100 ft. of drill — 3 lbs.
Cauliflower	1 oz. to 2,500 plants — 8 oz.
Celery	1 oz. to 3,000 plants — 4 oz.
Corn, Sweet	1 lb. to 100 hills — 10 lbs.
Cucumber	1 oz. to 50 hills — 2 lbs.
Kohl Rabi	2 oz. to 100 ft. of drill — 3 lbs.
Leek	1 oz. to 100 ft. of drill — 2 lbs.
Lettuce	1 oz. to 100 ft. of drill — 2 lbs.
Onion Seed	2 oz. to 100 ft. of drill — 3 lbs.
Onion Sets	2 lbs. to 40 ft. of drill — 8 bus.
Parsnip	2 oz. to 100 ft. of drill — 5 lbs.
Parsley	1 oz. to 50 ft. of drill — 3 lbs.
Peas, Garden	1 lb. to 40 ft. of drill — 3 bus.
Pepper	1 oz. to 1,500 plants — 4 oz.
Pumpkin	1 oz. to 25 hills — 3 to 4 lbs.
Radish	1 oz. to 100 ft. of drill 9 to 10 lbs.
Squash	1 oz. to 25 hills — 3 lbs.
Tomato	1 oz. to 1,500 plants — 4 oz.
Turnip	1 oz. to 50 ft. of drill — 2 lbs.

THE WEST IS OUR FIELD

Ruby
The New Early Wheat

Will make possible wheat production in districts where hitherto success has been well nigh impossible.

A wheat of high type, heavy cropper, high grade, high milling quality, unusually rust proof.

For further particulars and description see page 44.

PRICE—10 bus. or more **$7.15** per bushel. 1 bag **$7.25** per bushel. Single bushel **$7.35.** Jute bags **25c.**

WESTERN CANADA'S GREATEST SEED HOUSE